

MIF Polyclonal Antibody
Catalog # AP70944**Specification****MIF Polyclonal Antibody - Product Information**

| | |
|-------------------|------------------------|
| Application | IF |
| Primary Accession | P14174 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |

MIF Polyclonal Antibody - Additional Information

Gene ID 4282

Other Names

MIF; GLIF; MMIF; Macrophage migration inhibitory factor; MIF; Glycosylation-inhibiting factor; GIF; L-dopachrome isomerase; L-dopachrome tautomerase; Phenylpyruvate tautomerase

Dilution

IF~~IF: 1:50-200 WB 1:500-2000, ELISA 1:10000-20000 IHC 1:50-300

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

MIF Polyclonal Antibody - Protein Information**Name** MIF {ECO:0000303|PubMed:2552447, ECO:0000312|HGNC:HGNC:7097}**Function**

Pro-inflammatory cytokine involved in the innate immune response to bacterial pathogens (PubMed: [15908412](http://www.uniprot.org/citations/15908412), PubMed: [17443469](http://www.uniprot.org/citations/17443469), PubMed: [23776208](http://www.uniprot.org/citations/23776208)). The expression of MIF at sites of inflammation suggests a role as mediator in regulating the function of macrophages in host defense (PubMed: [15908412](http://www.uniprot.org/citations/15908412), PubMed: [17443469](http://www.uniprot.org/citations/17443469), PubMed: [23776208](http://www.uniprot.org/citations/23776208)). Counteracts the anti-inflammatory activity of glucocorticoids (PubMed: [15908412](http://www.uniprot.org/citations/15908412), PubMed: [17443469](http://www.uniprot.org/citations/17443469), PubMed: [23776208](http://www.uniprot.org/citations/23776208)). Has phenylpyruvate tautomerase and dopachrome tautomerase activity (in vitro), but the physiological substrate is not known (PubMed: [11439086](http://www.uniprot.org/citations/11439086))

target="_blank">11439086, PubMed:17526494). It is not clear whether the tautomerase activity has any physiological relevance, and whether it is important for cytokine activity (PubMed:11439086, PubMed:17526494).

Cellular Location

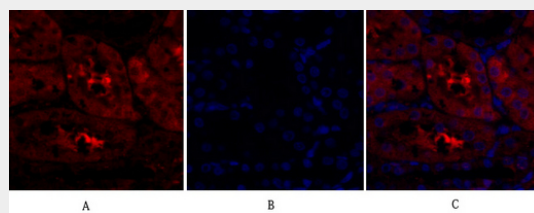
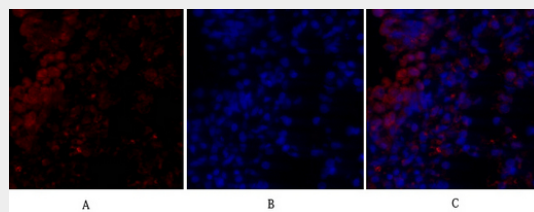
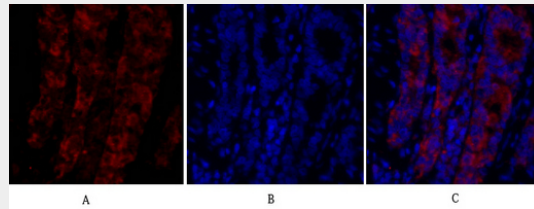
Secreted. Cytoplasm. Note=Does not have a cleavable signal sequence and is secreted via a specialized, non-classical pathway Secreted by macrophages upon stimulation by bacterial lipopolysaccharide (LPS), or by M.tuberculosis antigens

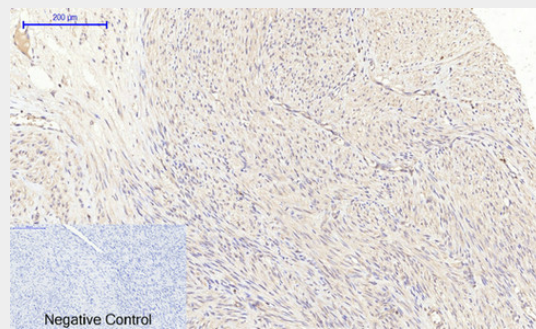
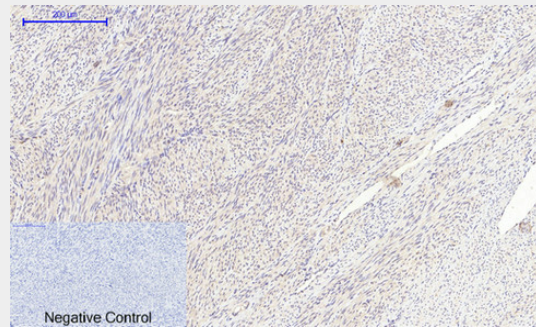
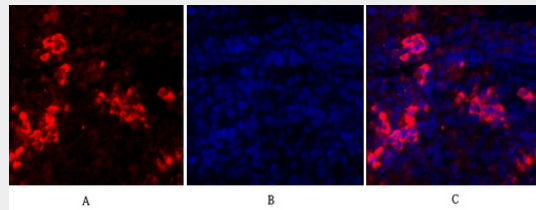
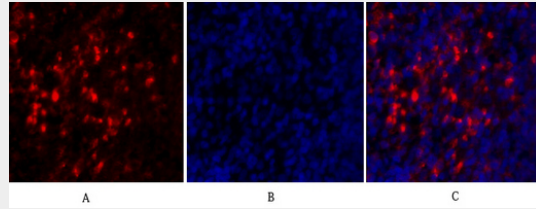
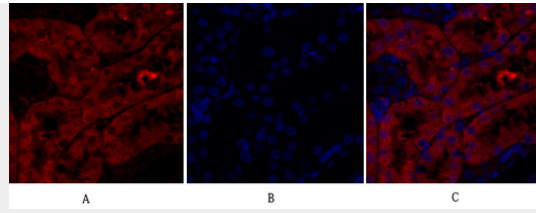
MIF Polyclonal Antibody - Protocols

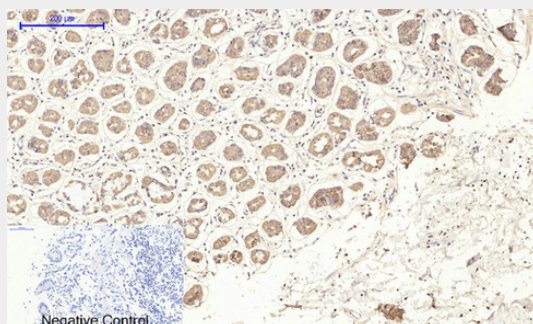
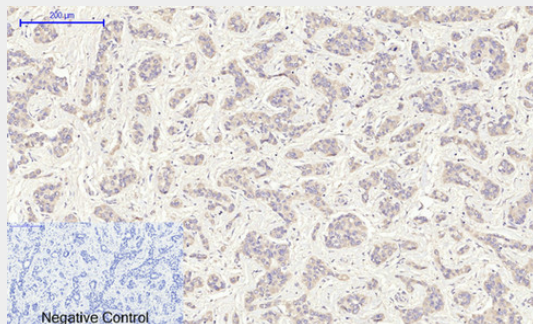
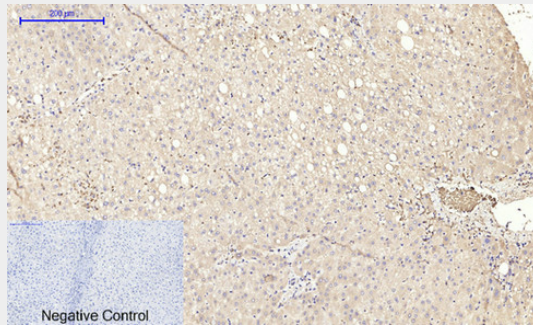
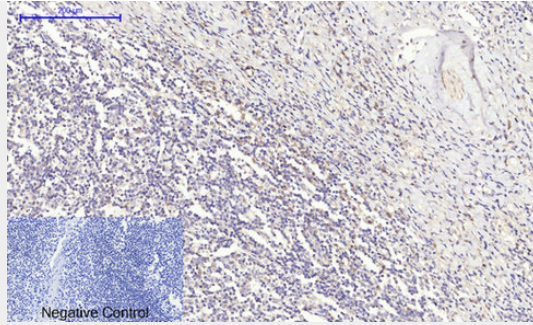
Provided below are standard protocols that you may find useful for product applications.

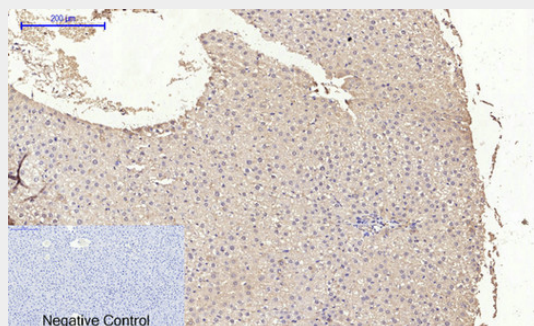
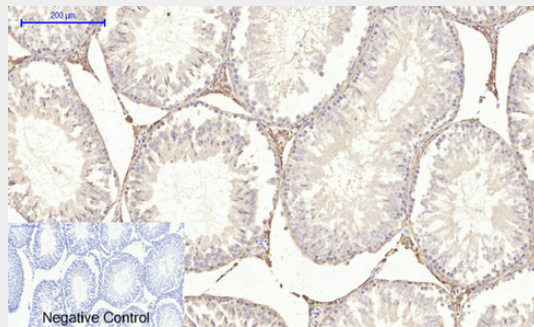
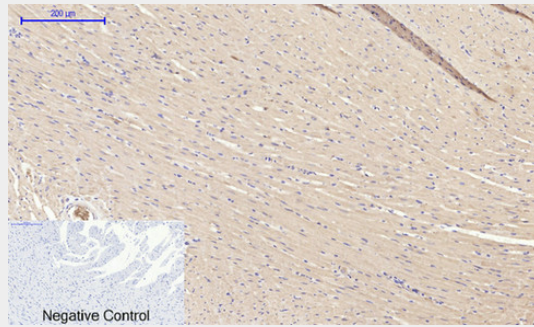
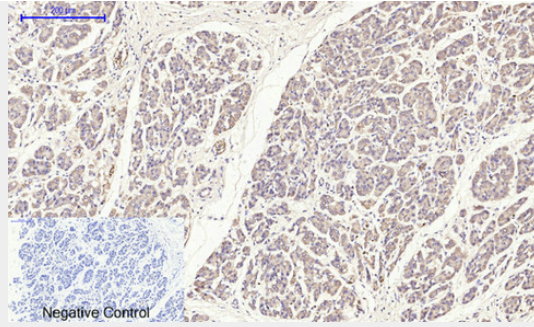
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

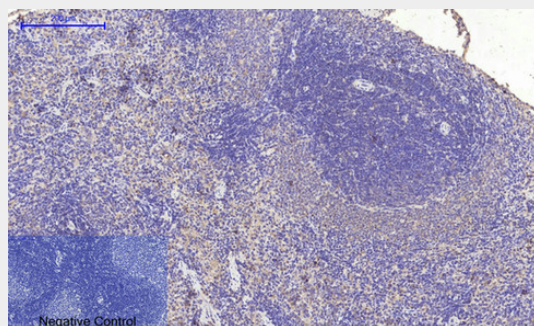
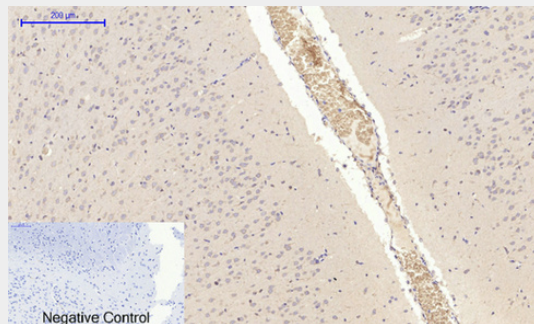
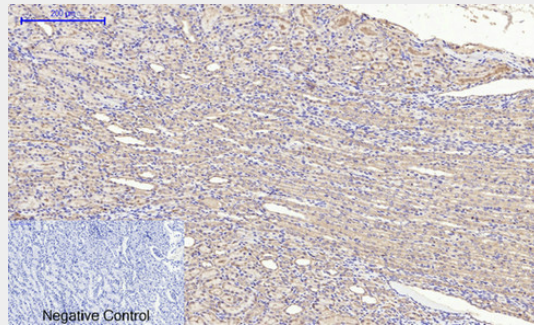
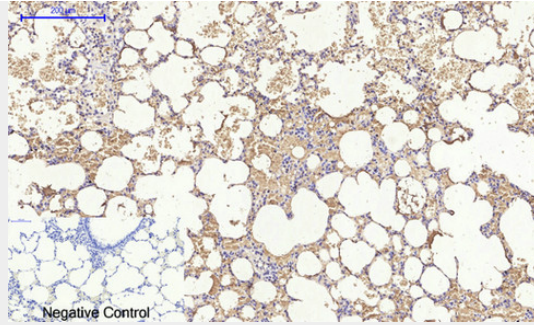
MIF Polyclonal Antibody - Images

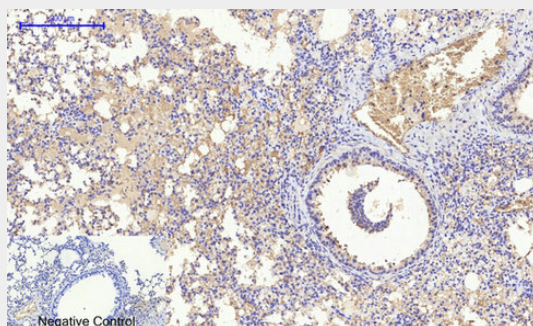
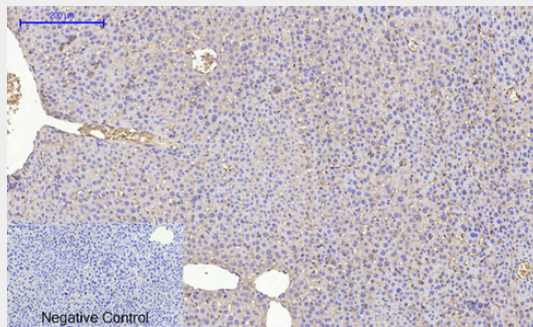
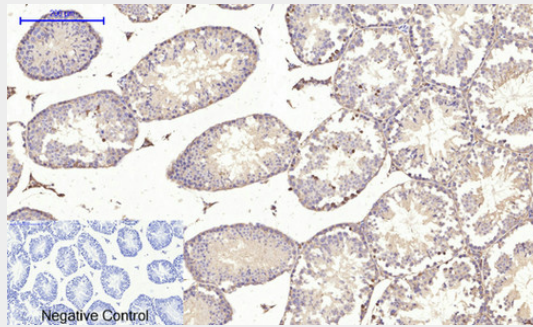
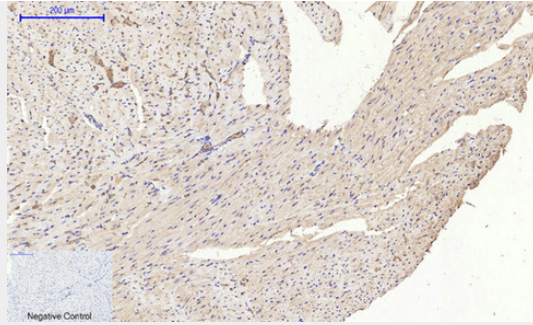


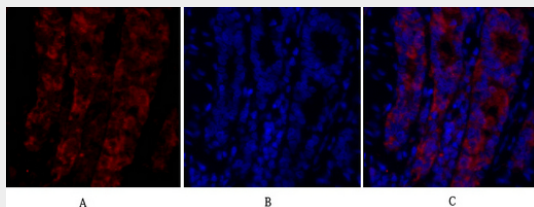
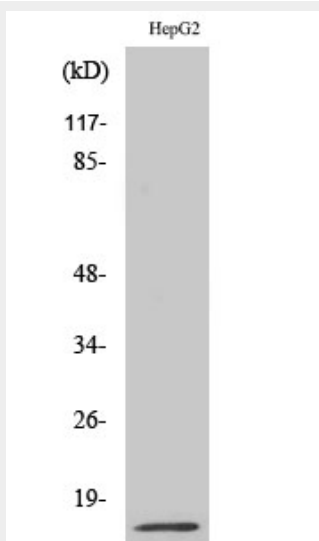
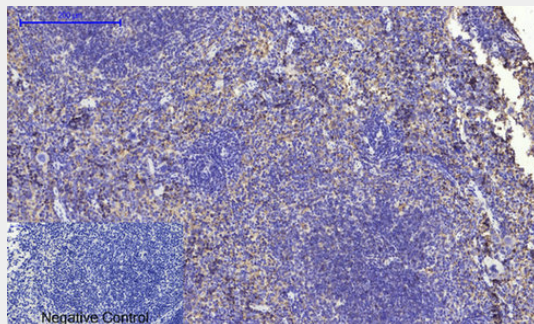
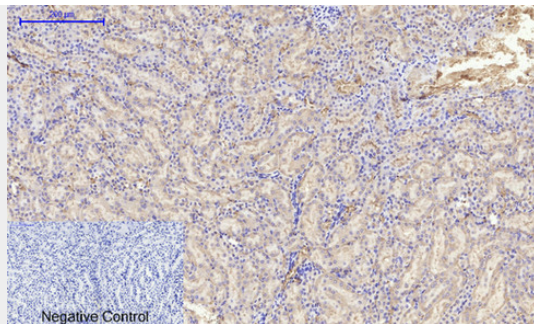


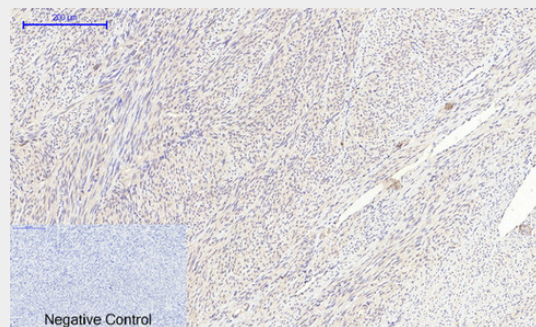
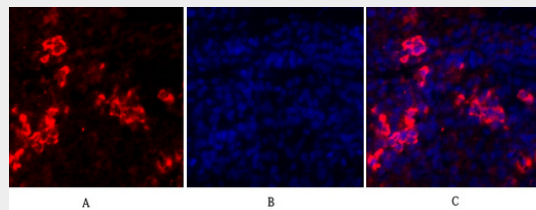
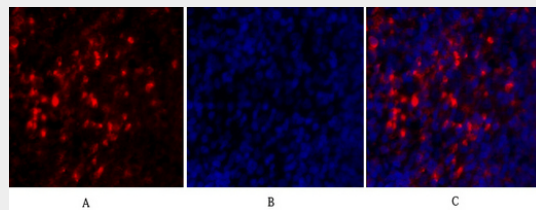
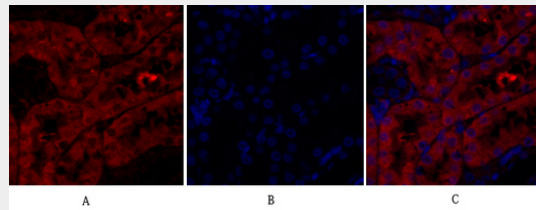
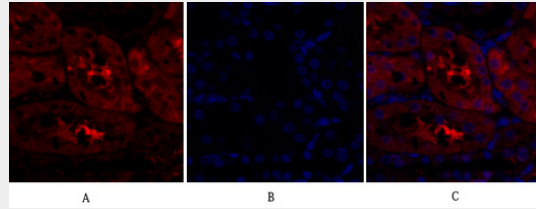
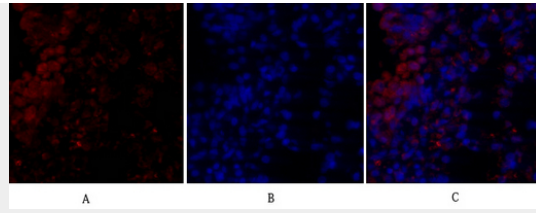


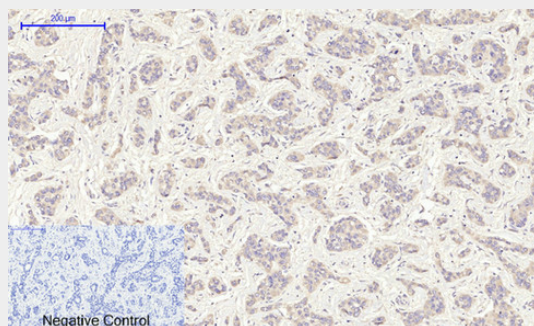
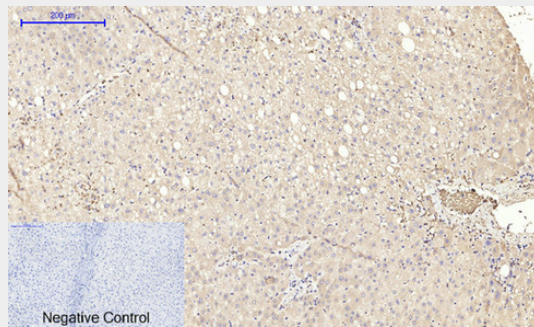
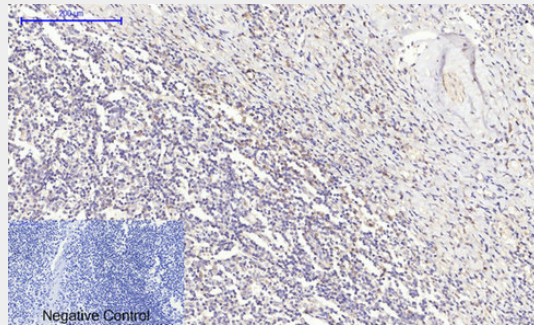
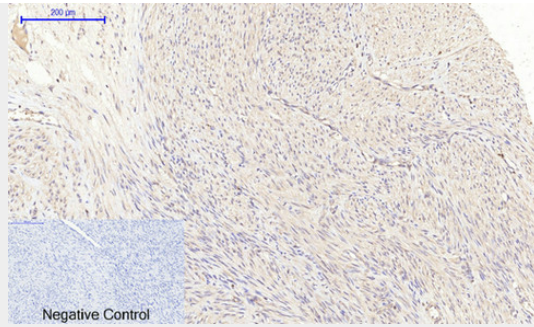


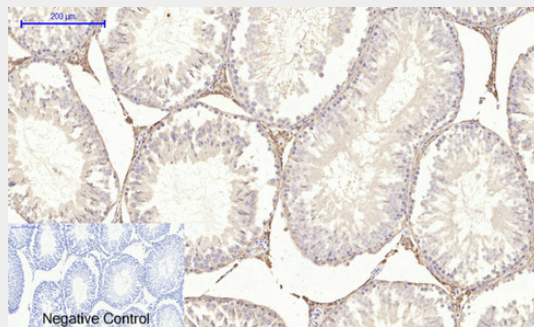
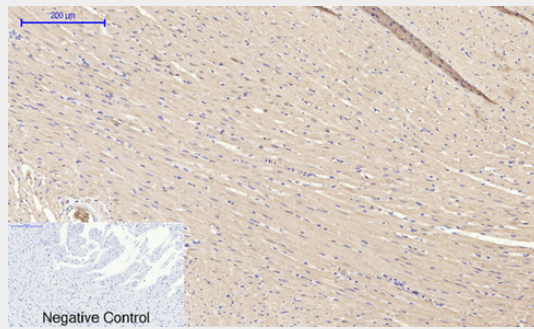
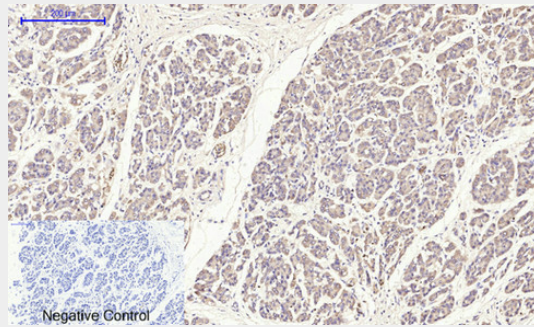
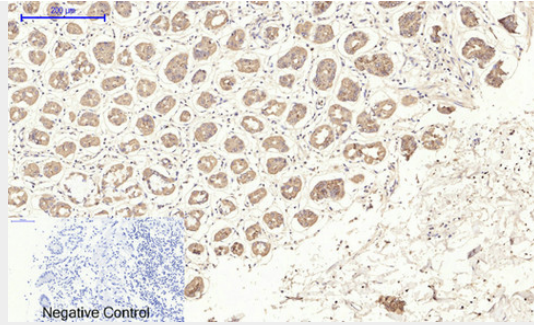


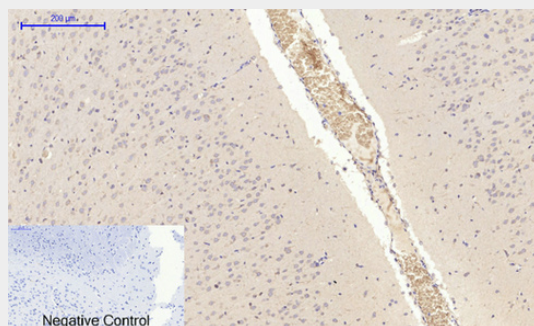
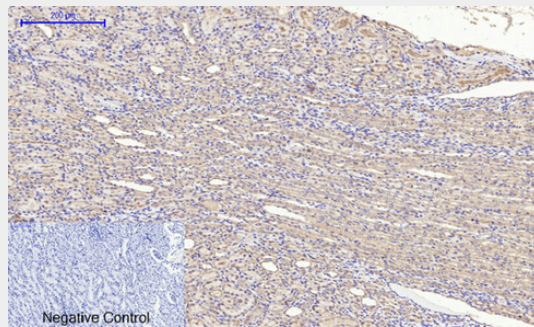
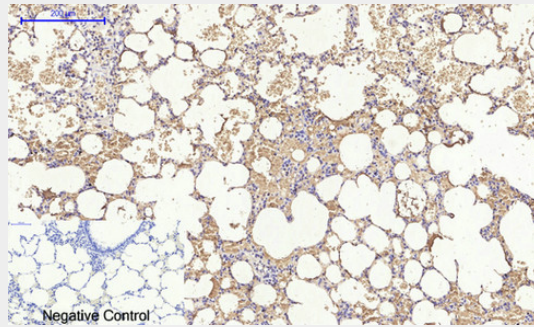
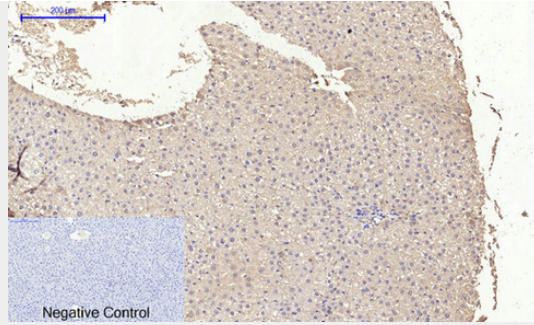


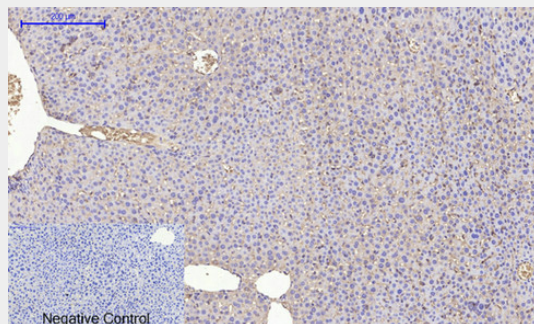
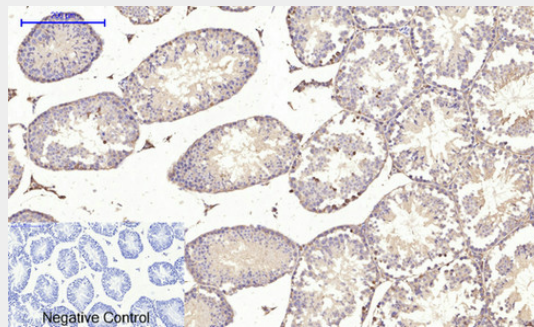
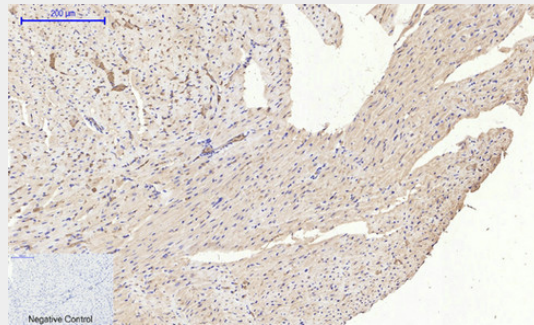
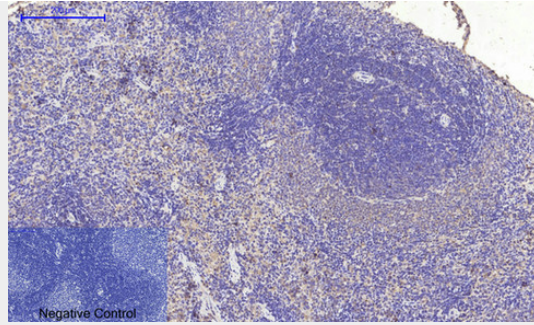


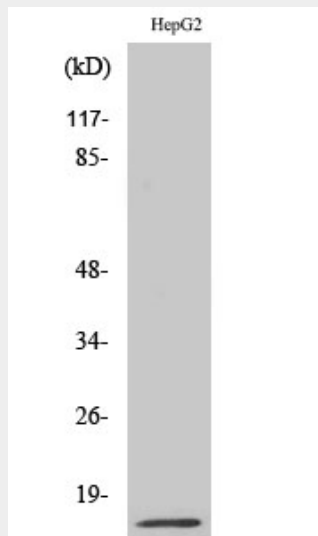
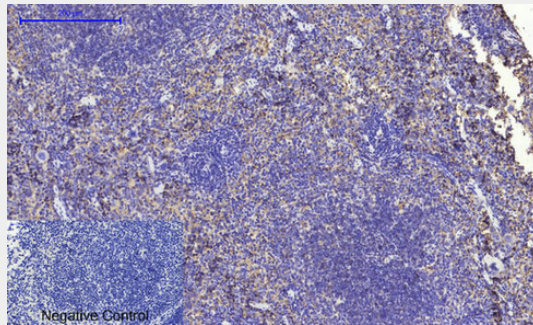
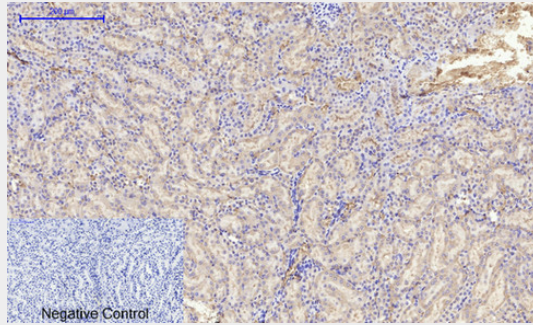
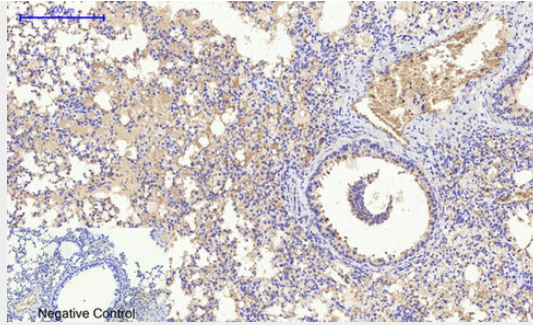












MIF Polyclonal Antibody - Background

Pro-inflammatory cytokine. Involved in the innate immune response to bacterial pathogens. The expression of MIF at sites of inflammation suggests a role as mediator in regulating the function of macrophages in host defense. Counteracts the anti-inflammatory activity of glucocorticoids. Has phenylpyruvate tautomerase and dopachrome tautomerase activity (in vitro), but the physiological substrate is not known. It is not clear whether the tautomerase activity has any physiological relevance, and whether it is important for cytokine activity.