

MPO Polyclonal Antibody
Catalog # AP73534**Specification**

MPO Polyclonal Antibody - Product Information

Application	IHC
Primary Accession	P05164
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

MPO Polyclonal Antibody - Additional Information**Gene ID** 4353**Other Names**

MPO; Myeloperoxidase; MPO

Dilution

IHC~~IHC-p: 100-300. Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format

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

Storage Conditions

-20°C

MPO Polyclonal Antibody - Protein Information**Name** MPO ([HGNC:7218](#))**Function**

Part of the host defense system of polymorphonuclear leukocytes. It is responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, and other toxic intermediates that greatly enhance PMN microbicidal activity (PubMed:9922160). Mediates the proteolytic cleavage of alpha-1-microglobulin to form t-alpha-1-microglobulin, which potently inhibits oxidation of low-density lipoprotein particles and limits vascular damage (PubMed:25698971).

Cellular Location

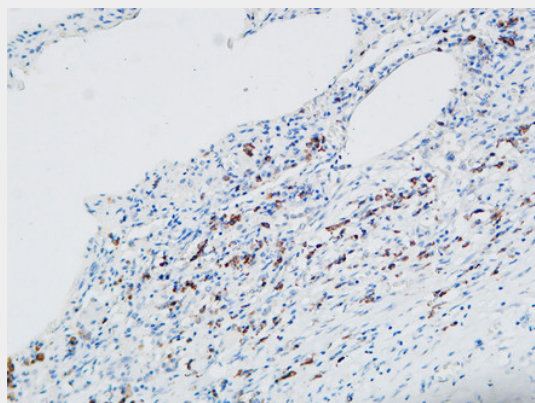
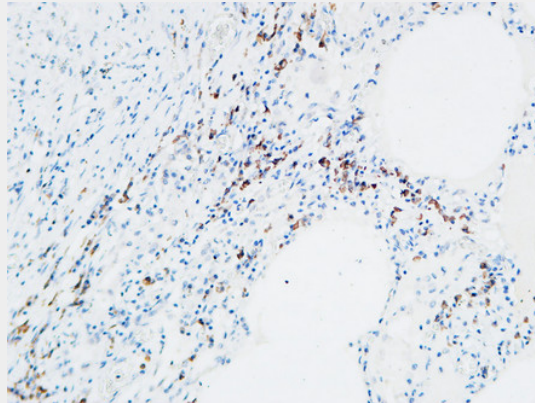
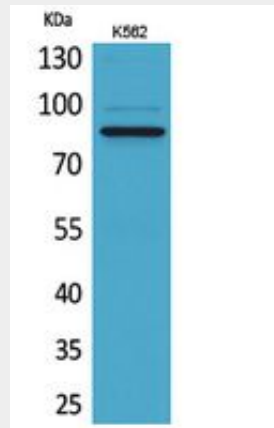
Lysosome.

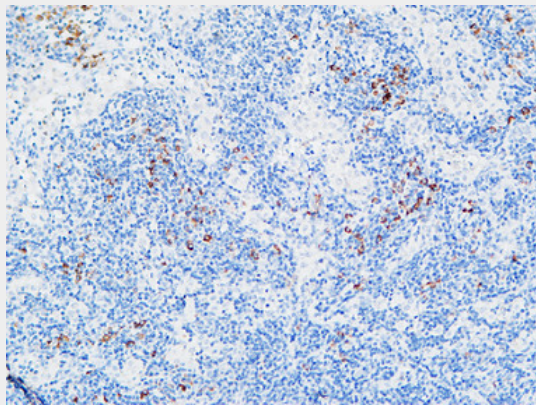
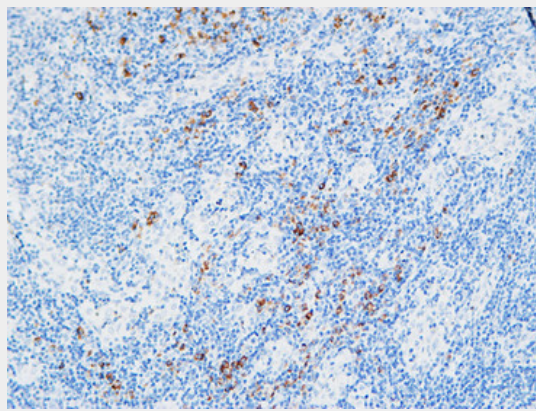
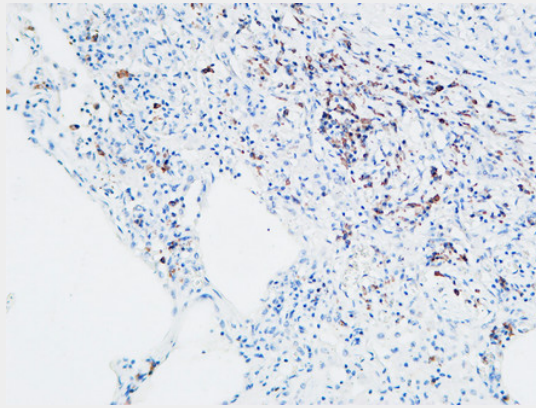
MPO Polyclonal Antibody - Protocols

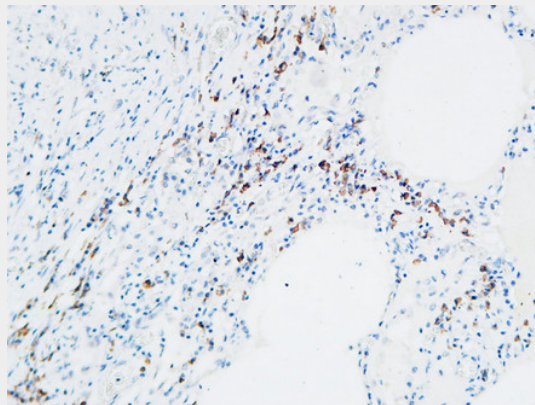
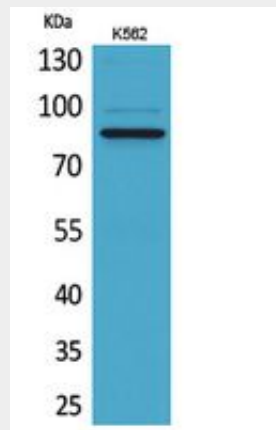
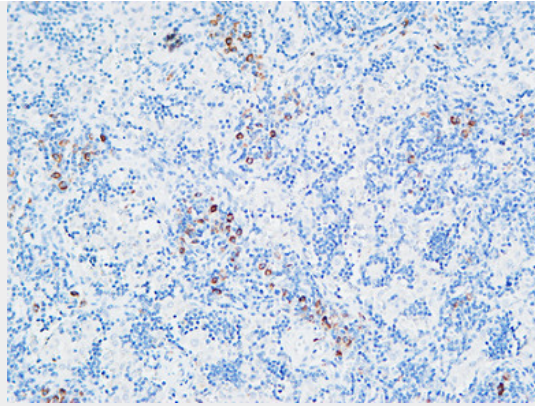
Provided below are standard protocols that you may find useful for product applications.

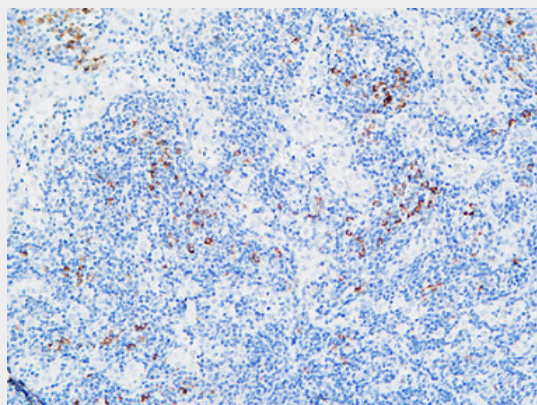
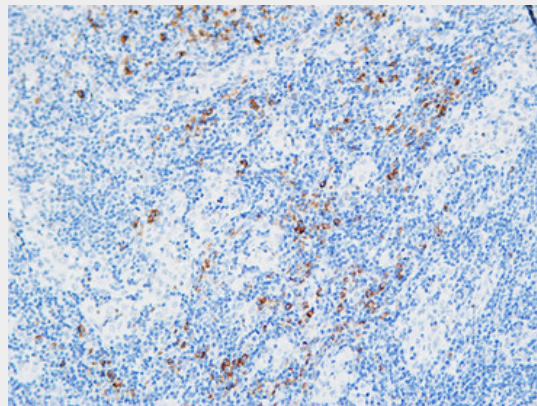
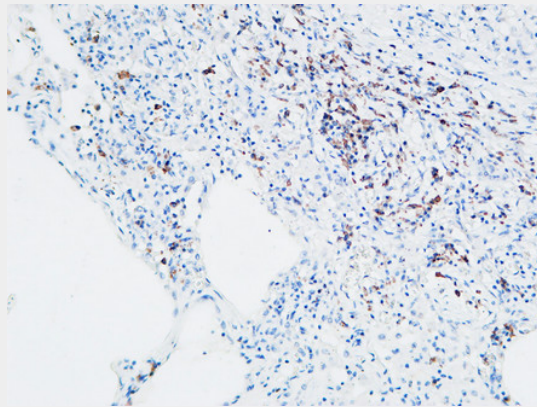
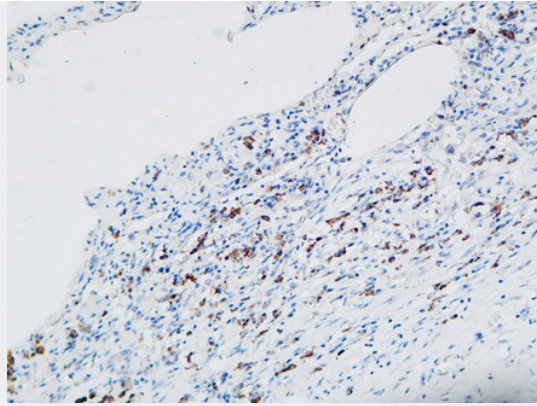
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

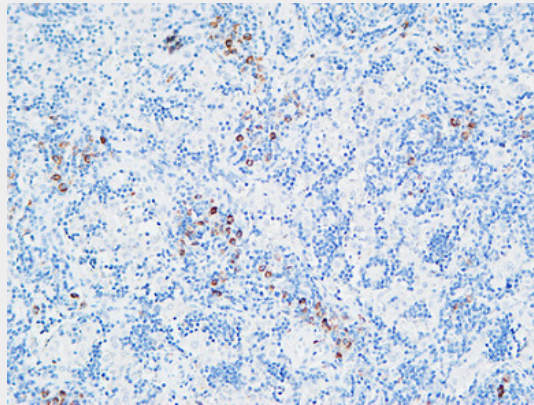
MPO Polyclonal Antibody - Images











MPO Polyclonal Antibody - Background

Part of the host defense system of polymorphonuclear leukocytes. It is responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, and other toxic intermediates that greatly enhance PMN microbicidal activity.

MPO Polyclonal Antibody - Citations

- [The protective capability of Willd on lupus nephritis by attenuating the IL-17 expression in MRL/lpr mice](#)