

**IκB-α Polyclonal Antibody**  
Catalog # AP70600**Specification****IκB-α Polyclonal Antibody - Product Information**

Application	IF
Primary Accession	<a href="#">P25963</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**IκB-α Polyclonal Antibody - Additional Information****Gene ID** 4792**Other Names**

NFKBIA; IKBA; MAD3; NFKBI; NF-kappa-B inhibitor alpha; I-kappa-B-alpha; IκB-alpha; IkappaBalpha; Major histocompatibility complex enhancer-binding protein MAD3

**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

**IκB-α Polyclonal Antibody - Protein Information****Name** NFKBIA**Synonyms** IKBA, MAD3, NFKBI**Function**

Inhibits the activity of dimeric NF-kappa-B/REL complexes by trapping REL (RELA/p65 and NFKB1/p50) dimers in the cytoplasm by masking their nuclear localization signals (PubMed: [1493333](http://www.uniprot.org/citations/1493333), PubMed: [36651806](http://www.uniprot.org/citations/36651806), PubMed: [7479976](http://www.uniprot.org/citations/7479976)). On cellular stimulation by immune and pro-inflammatory responses, becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription (PubMed: [7479976](http://www.uniprot.org/citations/7479976), PubMed: [7628694](http://www.uniprot.org/citations/7628694), PubMed: [7796813](http://www.uniprot.org/citations/7796813), PubMed: [7878466](http://www.uniprot.org/citations/7878466)).

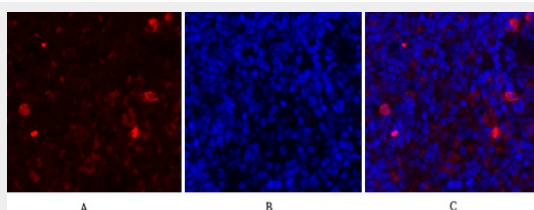
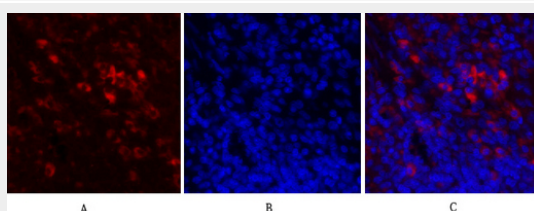
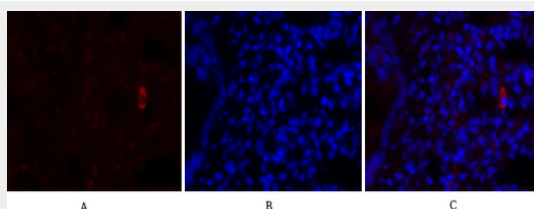
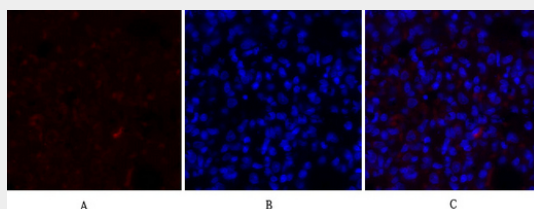
**Cellular Location**

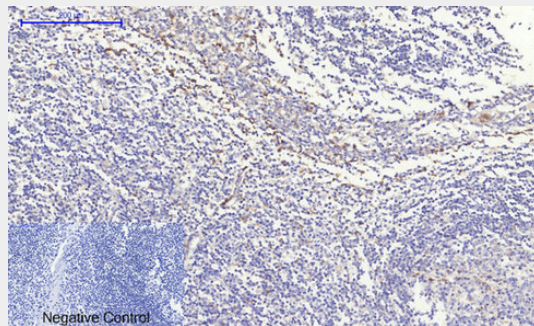
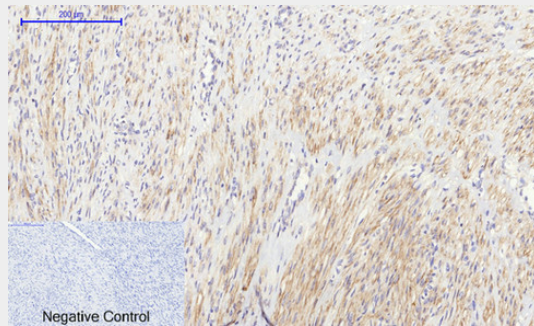
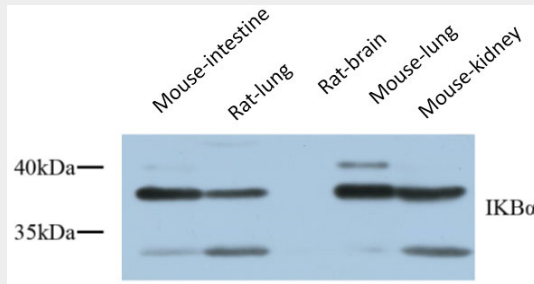
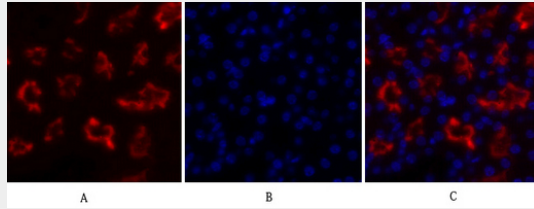
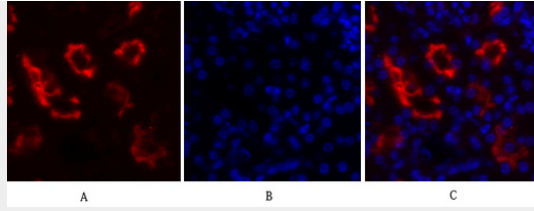
Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm by a nuclear localization signal (NLS) and a CRM1-dependent nuclear export.

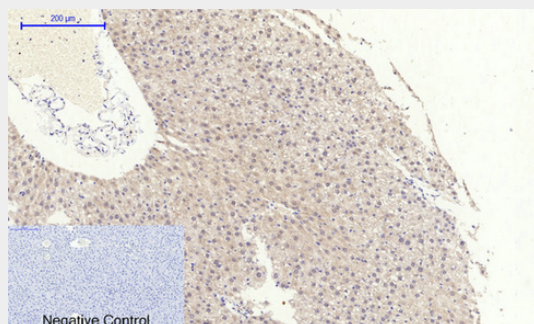
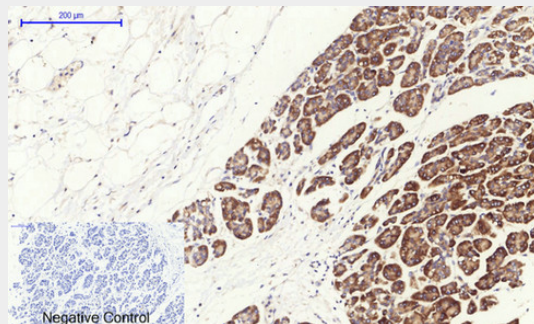
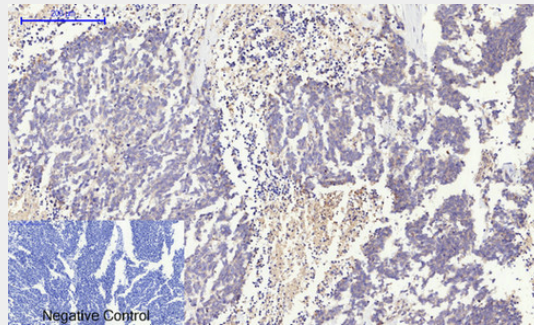
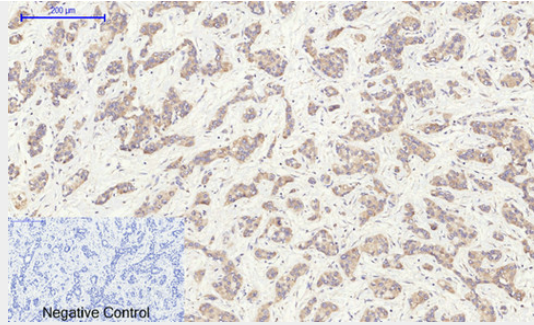
**I $\kappa$ B- $\alpha$  Polyclonal Antibody - Protocols**

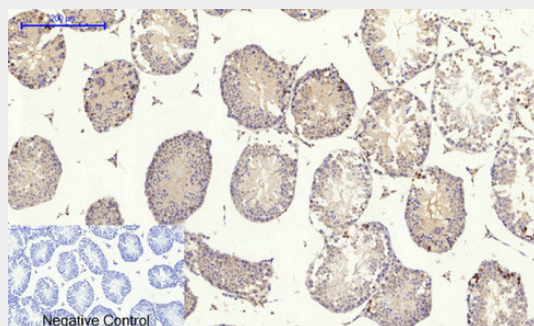
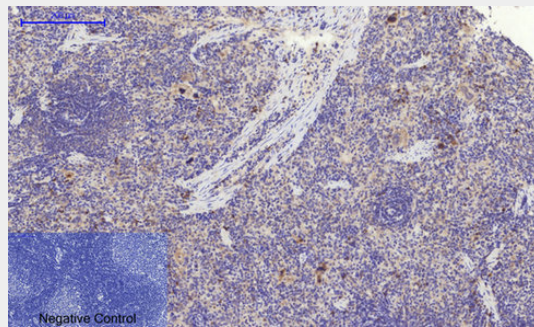
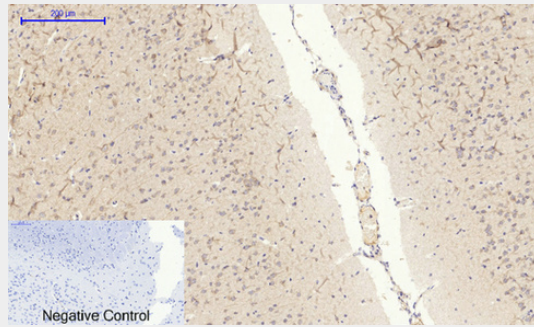
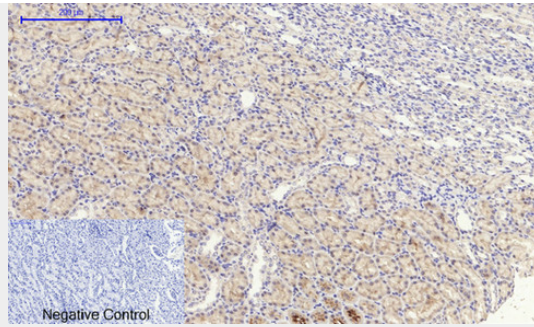
Provided below are standard protocols that you may find useful for product applications.

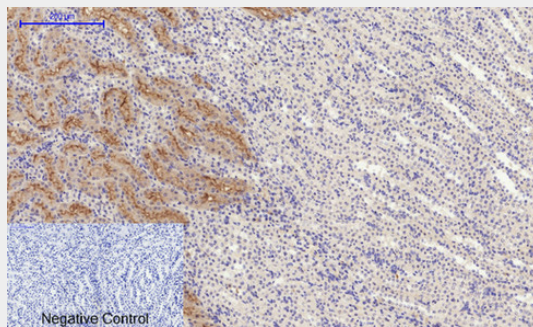
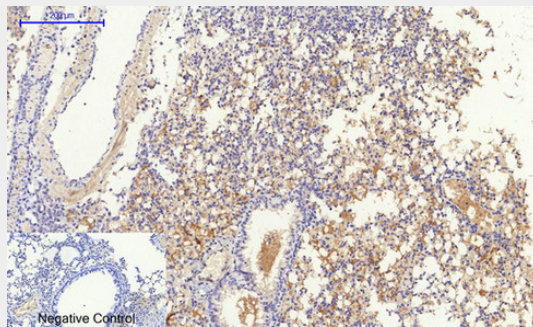
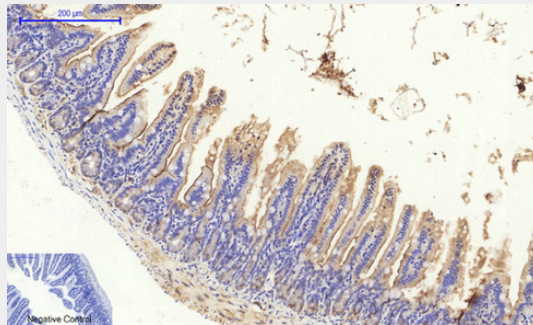
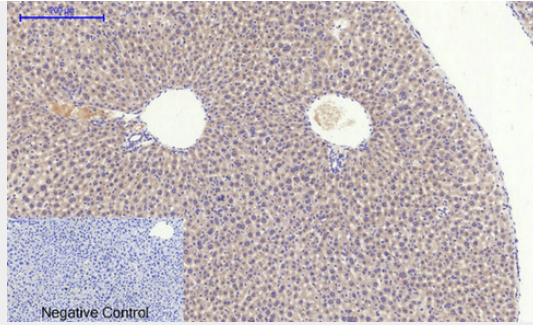
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- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

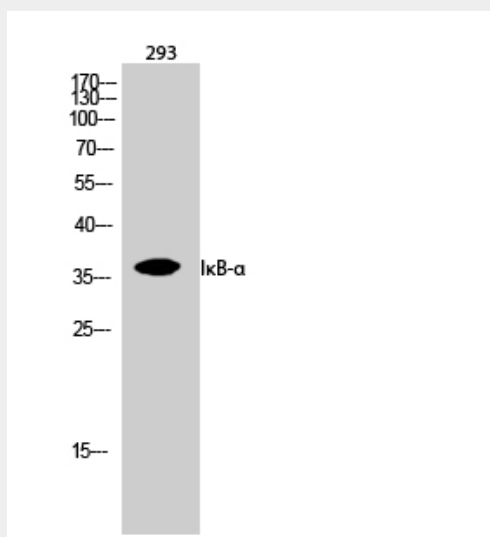
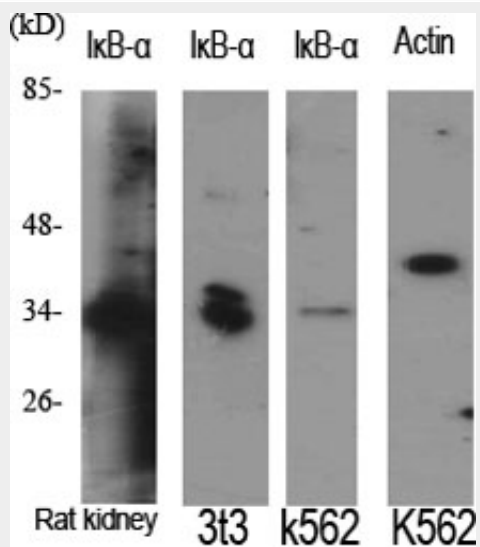
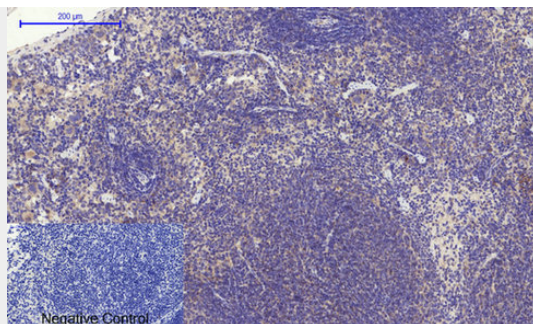
**I $\kappa$ B- $\alpha$  Polyclonal Antibody - Images**

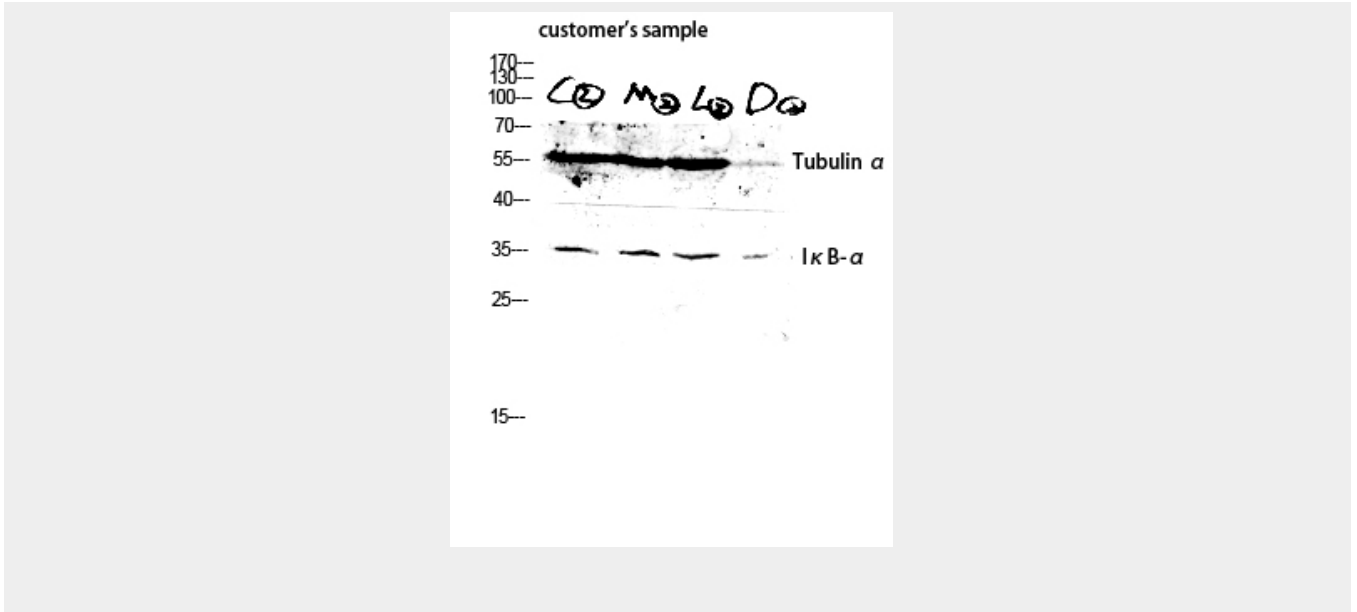
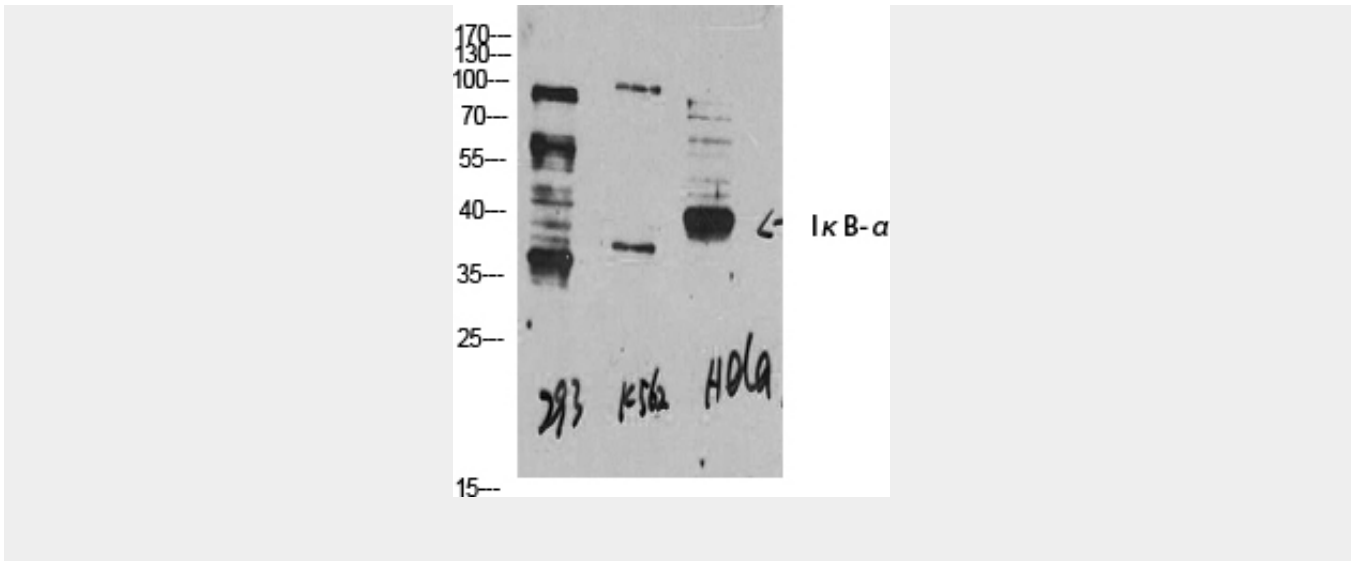












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