

## **MPO Polyclonal Antibody**

Catalog # AP73534

### **Specification**

# **MPO Polyclonal Antibody - Product Information**

Application WB, IHC-P 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** 

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

applications. IHC-P~~N/A

**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:<a href="http://www.uniprot.org/citations/9922160" target="\_blank">9922160</a>). 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:<a href="http://www.uniprot.org/citations/25698971" target=" blank">25698971</a>/a>).

#### **Cellular Location**

Lysosome.

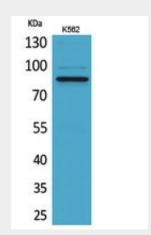


# **MPO Polyclonal Antibody - Protocols**

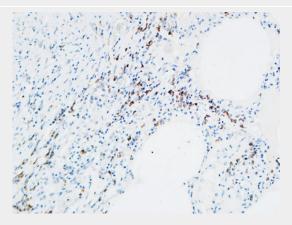
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## **MPO Polyclonal Antibody - Images**

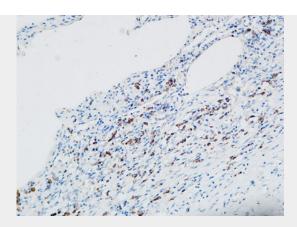


Western Blot analysis of K562 cells using MPO Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

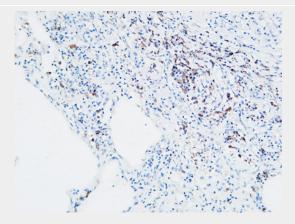


Immunohistochemical analysis of paraffin-embedded Human lung. 1, Antibody was diluted at 1:100(4°,overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

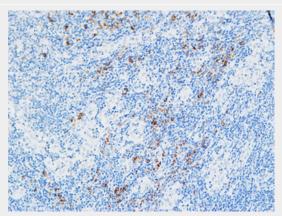




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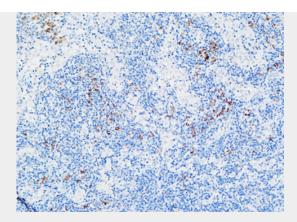


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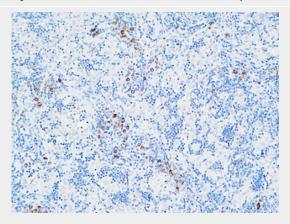


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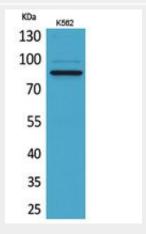




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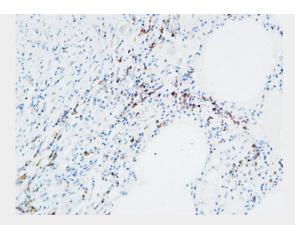


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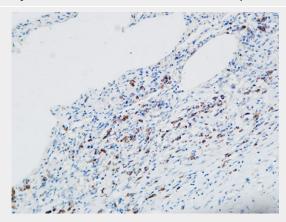


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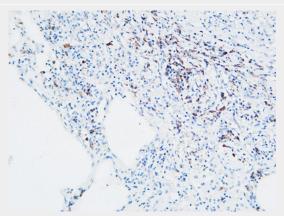




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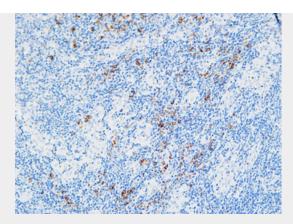


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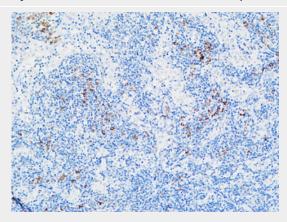


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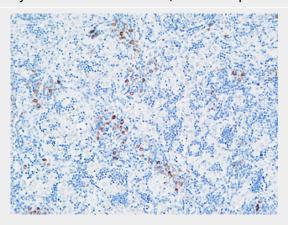




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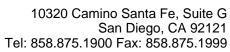
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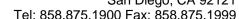


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MPO Polyclonal Antibody - Citations
The protective capability of Willd on lupus nephritis by attenuating the IL-17 expression in MRL/lpr mice