

**MPO antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI14593****Specification**

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**MPO antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">P05164</a>
Other Accession	<a href="#">NM_000250</a> , <a href="#">NP_000241</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Goat, Horse, Bovine, Guinea Pig, Dog
Predicted	Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84kDa KDa

**MPO antibody - N-terminal region - Additional Information****Gene ID** 4353**Other Names**

Myeloperoxidase, MPO, 1.11.2.2, Myeloperoxidase, 89 kDa myeloperoxidase, 84 kDa myeloperoxidase, Myeloperoxidase light chain, Myeloperoxidase heavy chain, MPO

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-MPO antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

MPO antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**MPO antibody - N-terminal region - 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:&lt;a href="http://www.uniprot.org/citations/9922160" target="\_blank"&gt;9922160&lt;/a&gt;). 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:&lt;a

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

### Cellular Location

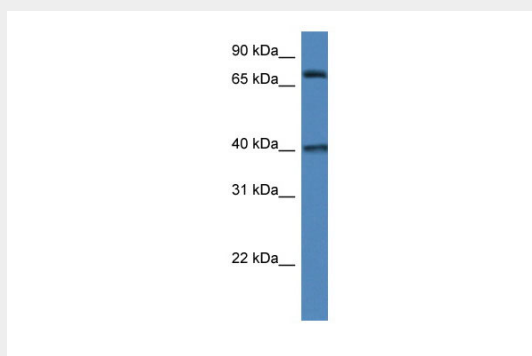
Lysosome.

### MPO antibody - N-terminal region - 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 antibody - N-terminal region - Images



WB Suggested Anti-MPO Antibody Titration: 1.0 µg/ml

Positive Control: 293T Whole Cell MPO is supported by BioGPS gene expression data to be expressed in HEK293T

### MPO antibody - N-terminal region - References

- Morishita K., et al. J. Biol. Chem. 262:3844-3851(1987).  
Morishita K., et al. J. Biol. Chem. 262:15208-15213(1987).  
Seto P., et al. J. Clin. Invest. 80:1205-1208(1987).  
Johnson K.R., et al. Nucleic Acids Res. 15:2013-2028(1987).  
Hashinaka K., et al. Biochemistry 27:5906-5914(1988).