

MPO / Myeloperoxidase Antibody
Rabbit Polyclonal Antibody
Catalog # ALS14847**Specification**

MPO / Myeloperoxidase Antibody - Product Information

Application	WB, IHC-P, IP
Primary Accession	P05164
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IP~~N/A

MPO / Myeloperoxidase Antibody - 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

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

MPO / Myeloperoxidase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MPO / Myeloperoxidase 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.

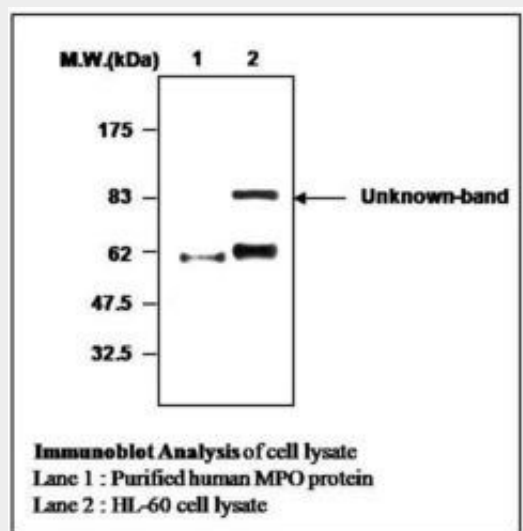
Volume
50 µl

MPO / Myeloperoxidase 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 / Myeloperoxidase Antibody - Images



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MPO / Myeloperoxidase Antibody - Background

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MPO / Myeloperoxidase Antibody - 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).