

Myeloperoxidase Antibody
Rabbit mAb
Catalog # AP91074**Specification****Myeloperoxidase Antibody - Product Information**

Application	WB, IHC, ICC
Primary Accession	P05164
Clonality	Monoclonal
Other Names	
MPO; mpx; Myeloperoxidase;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	83869 Da

Myeloperoxidase Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Myeloperoxidase
Description	Myeloperoxidase (MPO) is a peroxidase enzyme that is part of the host defense system of polymorphonuclear leukocytes. Heightened MPO levels have been associated with tissue damage and a number of pathological conditions.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/25698971)).

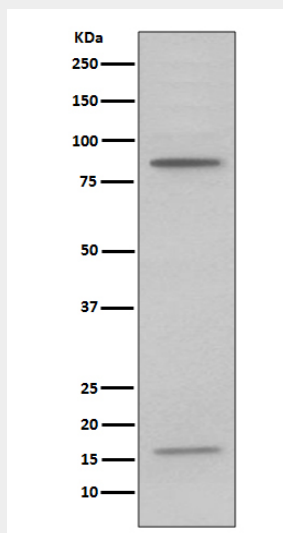
Cellular Location

Lysosome.

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](#)

Myeloperoxidase Antibody - Images

Western blot analysis of Myeloperoxidase expression in HL-60 cell lysate.