10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MPO antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14593

Product Information

Application	WB
Primary Accession	P05164
Other Accession	NM_000250, NP_000241
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Goat, Dog, Guinea Pig, Horse, Bovine
Predicted	Mouse, Rat, Rabbit, Pig, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83869

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.

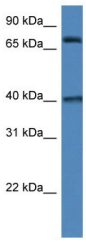
Protein Information

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.

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).

Images



WB Suggested Anti-MPO Antibody Titration: 1.0 µg/ml
Positive Control: 293T Whole CellMPO is supported by BioGPS gene expression data to be expressed in HEK293T