

Myeloperoxidase Rabbit mAb

Catalog # AP75764

Product Information

Application	WB, IHC-P
Primary Accession	P05164
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	83869

Additional Information

Gene ID	4353
Other Names	MPO
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

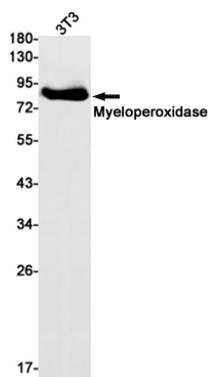
Name	MPO (HGNC:7218)
Function	Part of the host defense system of polymorphonuclear leukocytes. It is responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, 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.

Background

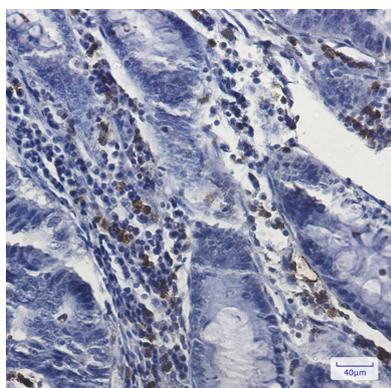
Myeloperoxidase (MPO) is a peroxidase enzyme that is part of the host defense system of

polymorphonuclear leukocytes. Heightened MPO levels have been associated with tissue damage and a number of pathological conditions.

Images



Western blot analysis of Myeloperoxidase in 3T3 lysates using Myeloperoxidase antibody.



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Myeloperoxidase antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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