

Anti-MPO Rabbit pAb



WL02355

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-MPO Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC	1:150
	IF	1:500
Cellular localization	Lysosome	
Pack size	50/100/200/500/1000μl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. In normal neutrophils, MPO is expressed as a dimer. Calreticulin, a calcium-binding protein residing in the ER, interacts specifically with fully glycosylated apopro-MPO. MPO is expressed at high levels in circulating neutrophils and monocytes but is not detectable in microglia, brain-specific macrophages or normal brain tissue.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of MPO.

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

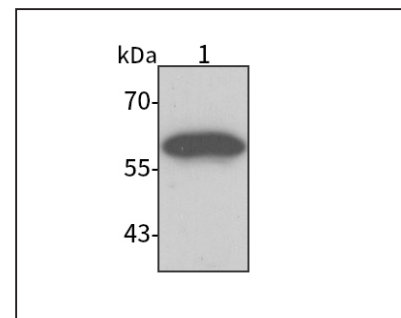
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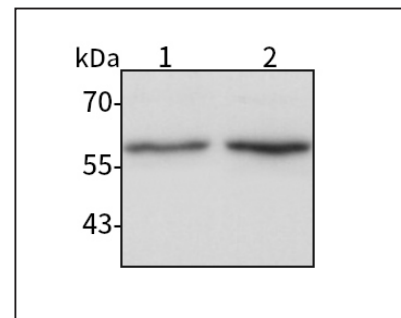
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Product Images



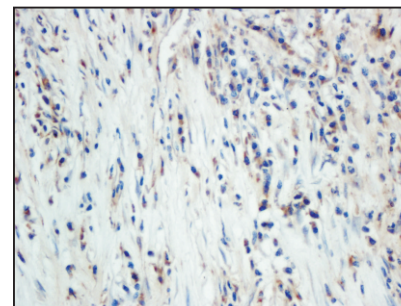
Western blot-Anti-MPO pAb

Lane 1: Human HL-60 cell lysate
All lanes: Anti-MPO at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 83 kDa
 MPO heavy-light : 59 kDa



Western blot-Anti-MPO pAb

Lane 1: Mouse spleen tissue lysate
 Lane 2: Rat spleen tissue lysate
All lanes: Anti-MPO at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 83 kDa
 MPO heavy-light : 59 kDa



Immunohistochemistry-Anti-MPO pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-MPO Rabbit Antibody at 1:150 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

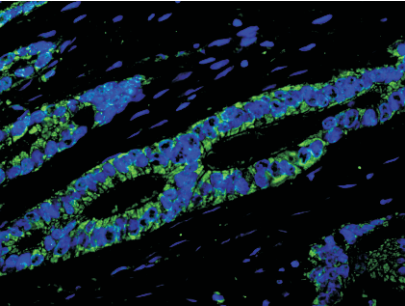
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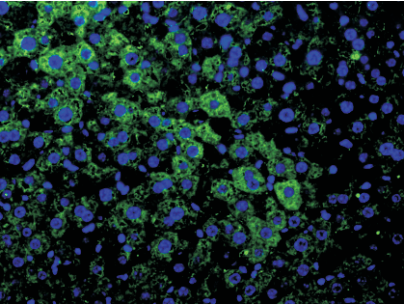
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Immunofluorescence-Anti-MPO pAb

Immunofluorescence analysis of paraffin-embedded human colon cancer using anti-MPO Rabbit Antibody at 1:500 dilution.

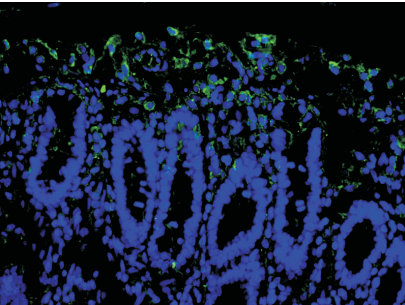
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-MPO pAb

Immunofluorescence analysis of paraffin-embedded mouse liver using anti-MPO Rabbit Antibody at 1:500 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-MPO pAb

Immunofluorescence analysis of paraffin-embedded rat colon using anti-MPO Rabbit Antibody at 1:500 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0