

## Anti-MPO Rabbit pAb



WL02355

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-MPO Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:1000-1:2000
	IHC	1:150
	IF	1:500
<b>Cellular localization</b>	Lysosome	
<b>Pack size</b>	50/100/200/500/1000 $\mu$ l	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 $\mu$ g/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.

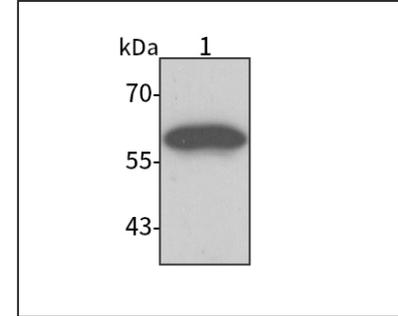
## Anti-MPO Rabbit pAb



WL02355

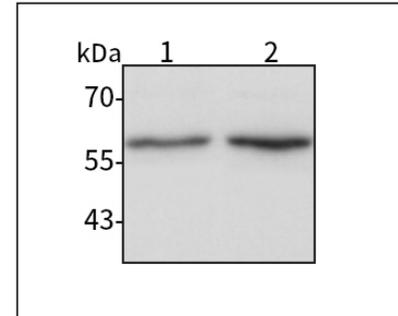
For Research Use Only. Not For Use In Diagnostic Procedures

## Product Images



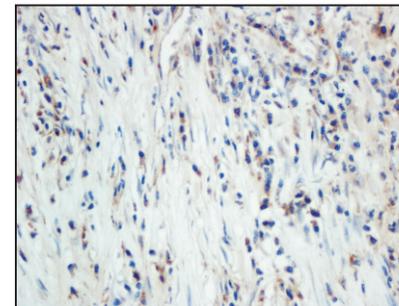
## Western blot-Anti-MPO pAb

Lane 1: Human HL-60 cell lysate  
**All lanes:** Anti-MPO at 1:1000 dilution  
 Lysates/proteins at 20-50  $\mu$ g 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  $\mu$ g 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

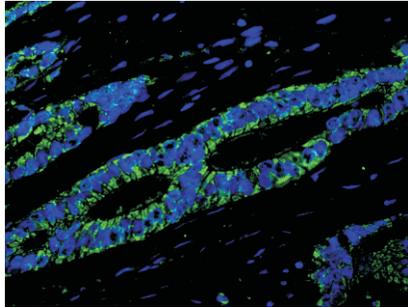
## Anti-MPO Rabbit pAb



WL02355

For Research Use Only. Not For Use In Diagnostic Procedures

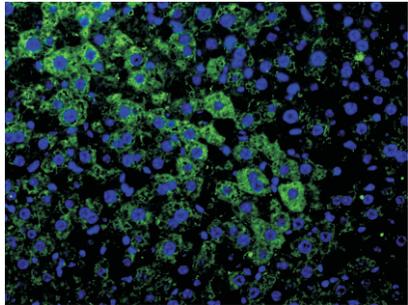
### Product Information



#### Immunofluorescence-Anti-MPO pAb

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

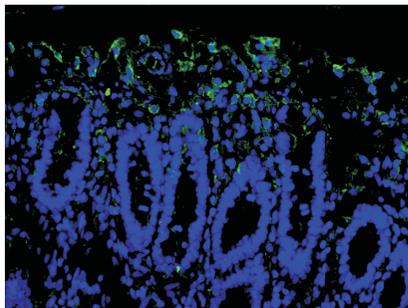
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



#### 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