

# Myeloperoxidase Rabbit mAb

Catalog # AP75765

## Product Information

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<b>Application</b>	WB, IHC-P, FC
<b>Primary Accession</b>	<a href="#">P05164</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	83869

## Additional Information

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<b>Gene ID</b>	4353
<b>Other Names</b>	MPO
<b>Dilution</b>	WB~~1:2000-1:20000 IHC-P~~N/A FC~~1:200-1:500
<b>Format</b>	1xPBS(pH 7.4), 150mM NaCl, 50% Glycerol, 0.02% Sodium azide and 0.05% BSA
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	MPO ( <a href="#">HGNC:7218</a> )
<b>Function</b>	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: <a href="#">9922160</a> ). 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: <a href="#">25698971</a> ).
<b>Cellular Location</b>	Lysosome.

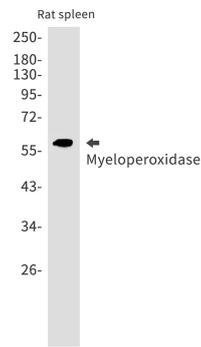
## Background

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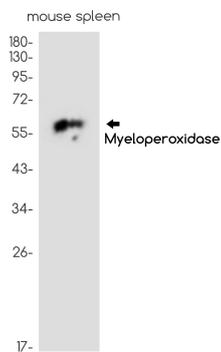
Myeloperoxidase (MPO) is a peroxidase enzyme that is part of the host defense system of

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

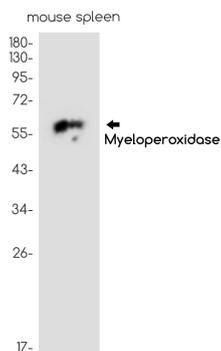
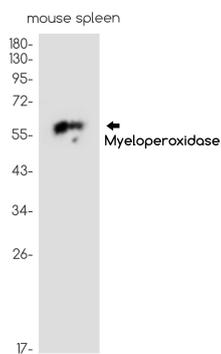
## Images



Western blot analysis of Myeloperoxidase in rat spleen lysates using Myeloperoxidase antibody.



Western blot analysis of Myeloperoxidase in mouse spleen lysates using Myeloperoxidase antibody.



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