

**Anti-Myeloperoxidase Antibody**  
**Mouse monoclonal antibody to Myeloperoxidase**  
**Catalog # AP61619****Specification**

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**Anti-Myeloperoxidase Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">P05164</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	83869

**Anti-Myeloperoxidase Antibody - Additional Information****Gene ID** 4353**Other Names**

Myeloperoxidase; MPO

**Target/Specificity**

Recognizes endogenous levels of Myeloperoxidase protein.

**Dilution**

IHC~~1:100~500

**Format**

Mouse IgG2b. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-Myeloperoxidase Antibody - 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:<a href="http://www.uniprot.org/citations/9922160" target="\_blank">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="http://www.uniprot.org/citations/25698971" target="\_blank">25698971</a>).

**Cellular Location**

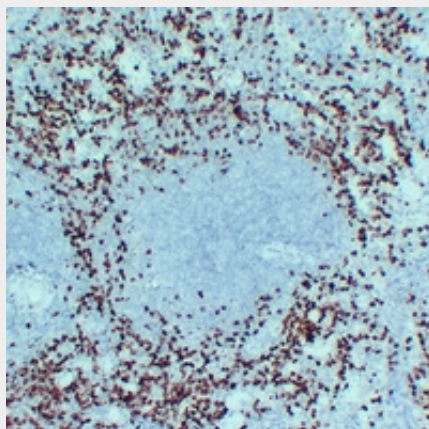
Lysosome.

## Anti-Myeloperoxidase Antibody - Protocols

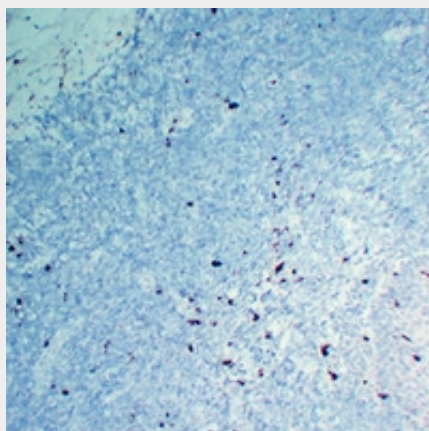
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-Myeloperoxidase Antibody - Images



Immunohistochemical analysis of Myeloperoxidase staining in human spleen formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemical analysis of Myeloperoxidase staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was

used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

#### **Anti-Myeloperoxidase Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within human Myeloperoxidase. The exact sequence is proprietary.