

**Myeloperoxidase Antibody**  
Rabbit mAb  
Catalog # AP91074**Specification****Myeloperoxidase Antibody - Product Information**

|                            |                        |
|----------------------------|------------------------|
| Application                | WB, IHC, ICC           |
| Primary Accession          | <a href="#">P05164</a> |
| Clonality                  | Monoclonal             |
| <b>Other Names</b>         |                        |
| MPO; mpx; Myeloperoxidase; |                        |
| Isotype                    | Rabbit IgG             |
| Host                       | Rabbit                 |
| Calculated MW              | 83869 Da               |

**Myeloperoxidase Antibody - Additional Information**

|                              |   |
|------------------------------|---|
| Purification                 | <b>Affinity-chromatography</b>  |
| Immunogen                    | <b>A synthesized peptide derived from human Myeloperoxidase</b>   |
| Description                  | <b>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.</b> |
| Storage Condition and Buffer | <b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>  |

**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: [9922160](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/25698971)).

**Cellular Location**

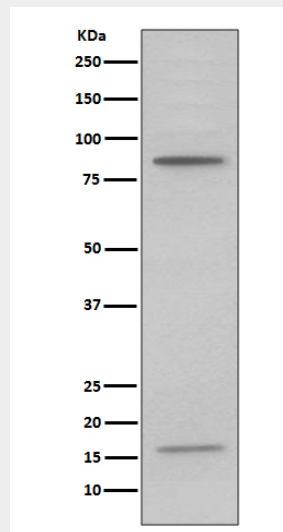
Lysosome.

## 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](#)

## Myeloperoxidase Antibody - Images



Western blot analysis of Myeloperoxidase expression in HL-60 cell lysate.