

**Anti-Myeloperoxidase 89k Antibody**  
**Rabbit polyclonal antibody to Myeloperoxidase 89k**  
**Catalog # AP61038**

## Specification

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### Anti-Myeloperoxidase 89k Antibody - Product Information

Application	WB
Primary Accession	<a href="#">P05164</a>
Other Accession	<a href="#">P11247</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83869

### Anti-Myeloperoxidase 89k Antibody - Additional Information

**Gene ID** 4353

#### Other Names

Myeloperoxidase; MPO

#### Target/Specificity

Recognizes endogenous levels of Myeloperoxidase 89k protein.

#### Dilution

WB~~WB (1/500 - 1/1000)

#### Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

#### Storage

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

### Anti-Myeloperoxidase 89k 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

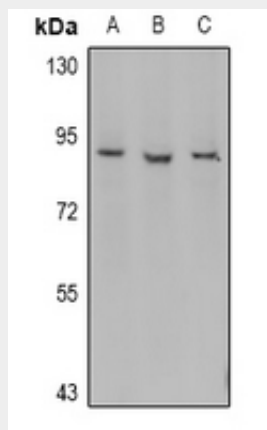
Lysosome.

## Anti-Myeloperoxidase 89k 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 89k Antibody - Images



Western blot analysis of Myeloperoxidase 89k expression in Jurkat (A), K562 (B), SP20 (C) whole cell lysates.

## Anti-Myeloperoxidase 89k Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Myeloperoxidase 89k. The exact sequence is proprietary.