

**myeloperoxidase Antibody (internal region, near N-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF3936a**

**Specification**

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**myeloperoxidase Antibody (internal region, near N-Term) - Product Information**

Application	WB, E
Primary Accession	<a href="#">P05164</a>
Other Accession	<a href="#">NP_000241.1</a> , <a href="#">4353</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	83869

**myeloperoxidase Antibody (internal region, near N-Term) - Additional Information**

**Gene ID** 4353

**Other Names**

Myeloperoxidase, MPO, 1.11.2.2, Myeloperoxidase, 89 kDa myeloperoxidase, 84 kDa myeloperoxidase, Myeloperoxidase light chain, Myeloperoxidase heavy chain, MPO

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

myeloperoxidase Antibody (internal region, near N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**myeloperoxidase Antibody (internal region, near N-Term) - 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.

**myeloperoxidase Antibody (internal region, near N-Term) - 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 (internal region, near N-Term) - Images**

AF3936a (0.3 µg/ml) staining of Human Peripheral Blood Lymphocyte lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**myeloperoxidase Antibody (internal region, near N-Term) - Background**

The immunizing peptide represents the N terminus of the mature protein.

**myeloperoxidase Antibody (internal region, near N-Term) - References**

Plasma myeloperoxidase concentration predicts the presence and severity of coronary disease in patients with chest pain and negative troponin-T. Rebeiz AG, Tamim HM, Sleiman RM, Abchee AG, Ibrahim Z, Khoury MY, Youhanna S, Skouri HN, Alam SE. Coron Artery Dis. 2011 Dec;22(8):553-8. PMID: 21934609