

Datasheet for ABIN1108338

anti-Myeloperoxidase antibody (C-Term)[Go to Product page](#)**2** Images**1** Publication

Overview

Quantity:	0.1 mg
Target:	Myeloperoxidase (MPO)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Myeloperoxidase antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthetic peptide corresponding to a sequence mapping at the C-terminal of human MPO .Remarks: Sequence is identical to the related mouse and rat sequence
Isotype:	IgG
Specificity:	This antibody detects Myeloperoxidase at C-term. No cross reactivity with other proteins.
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse, Rat.
Purification:	Immunogen Affinity Chromatography

Target Details

Target:	Myeloperoxidase (MPO)
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Target Details

Alternative Name:	Myeloperoxidase (MPO Products)
Background:	Myeloperoxidase (MPO) is a mammalian phagocyte hemoprotein thought to primarily mediate host defense reactions. It is abundantly expressed in neutrophils and secreted during their activation. Myeloperoxidase is part of the host defense system of human polymorphonuclear leukocytes, responsible for microbicidal activity against a wide range of organisms. It is located in the nucleus as well as in the cytoplasm. Intracellular MPO may help to protect DNA against damage resulting from oxygen radicals produced during myeloid cell maturation and function.Synonyms: MPO
Gene ID:	4353
NCBI Accession:	NP_000241
UniProt:	P05164
Pathways:	Chromatin Binding

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

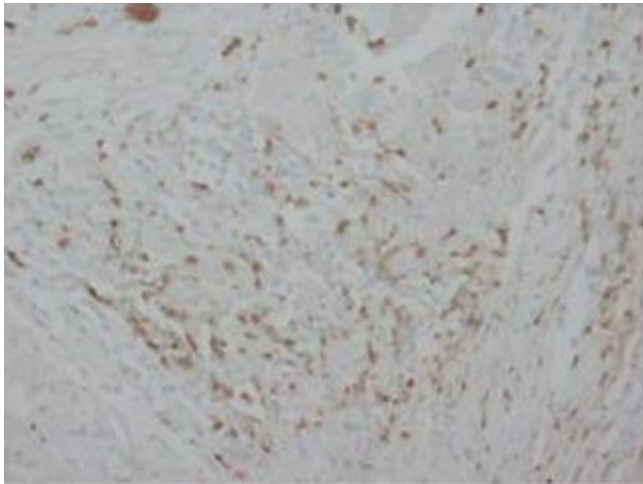
Handling

Reconstitution:	0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium Azide
Preservative:	Sodium azide, Thimerosal (Merthiolate)
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Publications

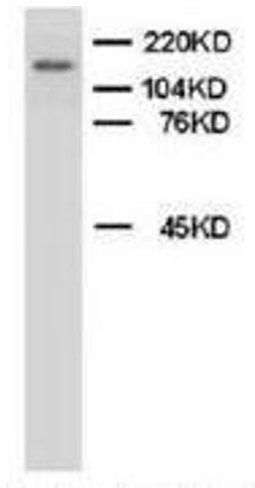
Product cited in:	Chang, Tseng, Lee, Hwang, Chen, Su, Chong, Lan, Wu, Chen, Lu, Liao, Hsueh, Hsieh: "β-Nitrostyrene derivatives attenuate LPS-mediated acute lung injury via the inhibition of
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neutrophil-platelet interactions and NET release." in: **American journal of physiology. Lung cellular and molecular physiology**, (2017) ([PubMed](#)).



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin embedded Human tissue sections (ovary) using Myeloperoxidase antibody



Western Blotting

Image 2. Western blot analysis of rat brain tissue lysis using Myeloperoxidase antibody