

Datasheet for ABIN1387491

anti-Myeloperoxidase antibody (AA 678-745)[2 Images](#)[2 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Myeloperoxidase (MPO)
Binding Specificity:	AA 678-745
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Myeloperoxidase antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MPO
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Pig,Horse,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	Myeloperoxidase (MPO)
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Target Details

Alternative Name:	MPO (MPO Products)
Background:	<p>Synonyms: Myeloperoxidase, MPO</p> <p>Background: 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.</p>
Gene ID:	4353
UniProt:	P05164
Pathways:	Chromatin Binding

Application Details

Application Notes:	<p>ELISA 1:500-1000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> <p>ICC 1:100-500</p>
Restrictions:	For Research Use only

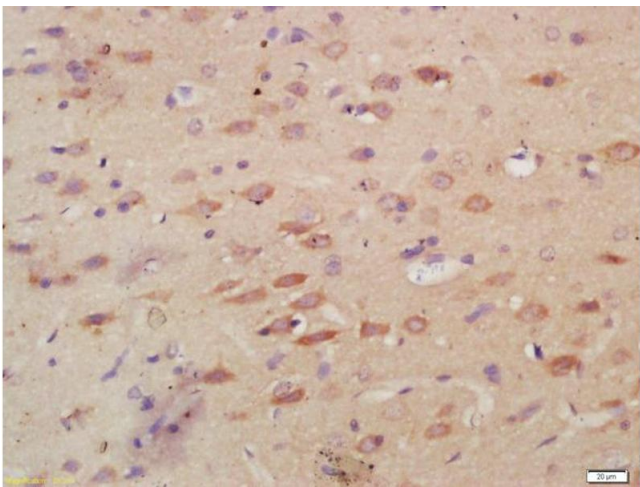
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Product cited in: Zheng, Liu, Li, Tang, Zhang, Tang: "Lithium posttreatment confers neuroprotection through glycogen synthase kinase-3 β inhibition in intracerebral hemorrhage rats." in: **Journal of neurosurgery**, pp. 1-9, (2016) ([PubMed](#)).

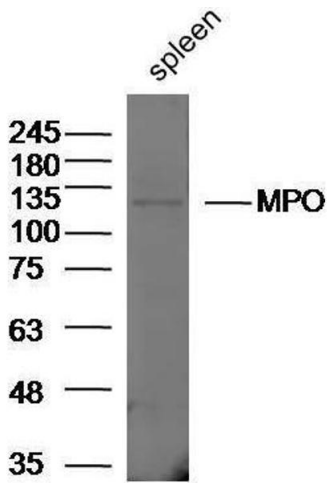
Hu, Lin, Zhu, Li, Chen: "Anti-inflammatory effects of Gualou Guizhi decoction in transient focal cerebral ischemic brains. [Corrected]." in: **Molecular medicine reports**, Vol. 12, Issue 3, pp. 3998 , (2015) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Anti-MPO Polyclonal Antibody, Unconjugated (ABIN1387491) at 1:200, followed by conjugation to the secondary antibody and DAB staining



Western Blotting

Image 2. Rat spleen lysates probed with Rabbit Anti-MPO Polyclonal Antibody, Unconjugated at 1:5000 for 90 min at 37°C.