

ARG56868 anti-MPO / Myeloperoxidase antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MPO / Myeloperoxidase
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MPO / Myeloperoxidase
Immunogen	Recombinant protein of Human Myeloperoxidase / MPO.
Conjugation	Un-conjugated
Alternate Names	MPO; Myeloperoxidase; EC 1.11.2.2

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat pancreas	

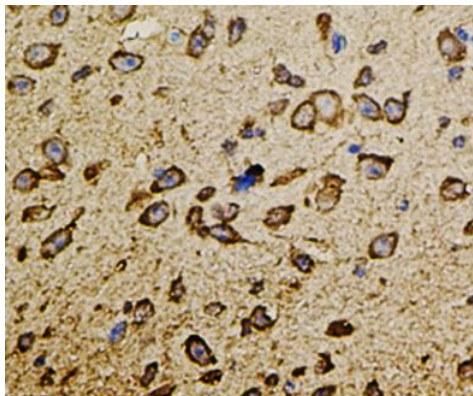
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 17523 Mouse GeneID: 4353 Human Swiss-port # P05164 Human Swiss-port # P11247 Mouse
Gene Symbol	MPO
Gene Full Name	myeloperoxidase
Background	Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of neutrophils. [provided by RefSeq, Nov 2014]
Function	Myeloperoxidase (MPO): 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. [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30325 Inflammatory Cell Antibody Panel Related products: MPO antibodies ; MPO ELISA Kits ; MPO Duos / Panels ; Anti-Rabbit IgG secondary antibodies ; Related news: Exploring Antiviral Immune Response
Research Area	Inflammatory Cell Marker antibody; Neutrophil Marker antibody
Calculated Mw	84 kDa

Images

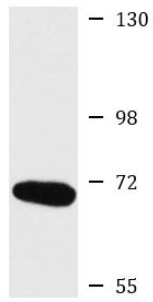


ARG56868 anti-MPO / Myeloperoxidase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain tissue stained with ARG56868 anti-MPO / Myeloperoxidase antibody at 1:100 dilution.

ARG56868 anti-MPO / Myeloperoxidase antibody WB image

Western blot: Rat pancreas lysate stained with ARG56868 anti-MPO / Myeloperoxidase antibody.



Rat pancreas
