

Datasheet for ABIN7268726
anti-Myeloperoxidase antibody

5 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Myeloperoxidase (MPO)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Myeloperoxidase antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	Myeloperoxidase (MPO) Rabbit mAb
Immunogen:	A synthesized peptide derived from human Myeloperoxidase (MPO)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Myeloperoxidase (MPO)
Alternative Name:	MPO (MPO Products)
Background:	Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that

Target Details

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],Apoptosis,Blood,Cancer,Cardiovascular,Cell Biology & Developmental Biology,Cell Intrinsic Innate Immunity Signaling Pathway,Endocrine & Metabolism,Immunology & Inflammation,MPO

Molecular Weight: 84kDa

Gene ID: 4353

UniProt: [P05164](#)

Pathways: [Chromatin Binding](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

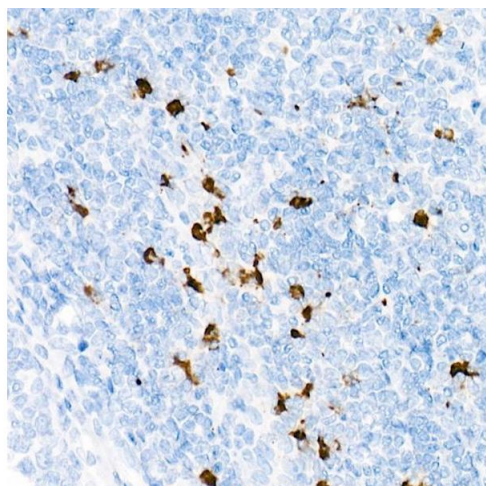
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

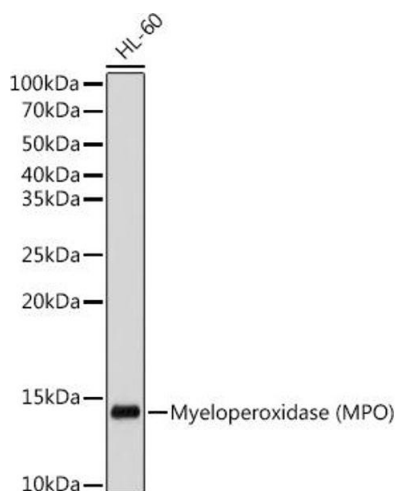
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



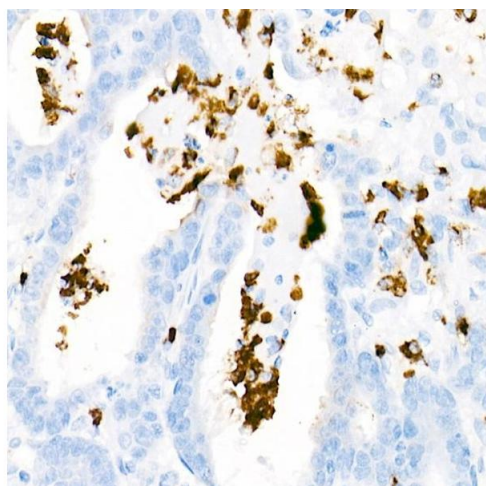
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded Human tonsil using Myeloperoxidase (MPO) antibody (ABIN7268726) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of HL-60 cells, using Myeloperoxidase (MPO) antibody (ABIN7268726) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded Human colon carcinoma using Myeloperoxidase (MPO) antibody (ABIN7268726) at dilution of 1:1000 (40x lens). Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7268726.