

Myeloperoxidase (MPO) Rabbit mAb

Catalog No.: A12109

Recombinant

1 Publications

Basic Information

Observed MW

13kDa

Calculated MW

84kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human

CloneNo number

ARC53227

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.

Recommended Dilutions

WB 1:100 - 1:500

IHC-P 1:500 - 1:1000

Immunogen Information

Gene ID

4353

Swiss Prot

P05164

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 646-745 of human Myeloperoxidase (MPO) (NP_000241.1).

Synonyms

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

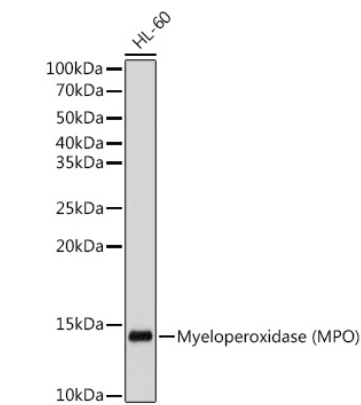
Affinity purification

Storage

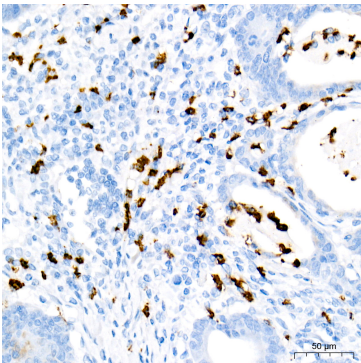
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

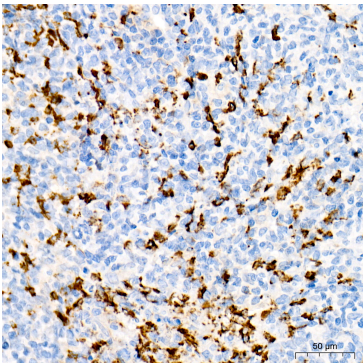
Validation Data



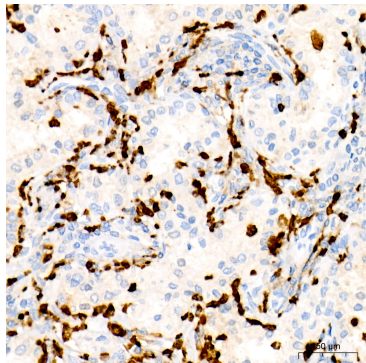
Western blot analysis of lysates from HL-60 cells, using Myeloperoxidase (MPO) Rabbit mAb (A12109) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3s.



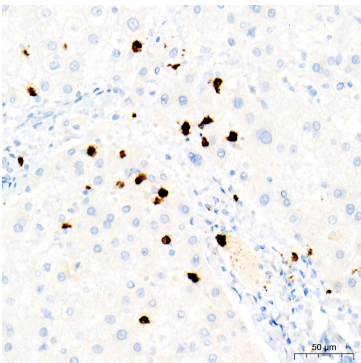
Immunohistochemistry analysis of Myeloperoxidase (MPO) in paraffin-embedded human colon carcinoma using Myeloperoxidase (MPO) Rabbit mAb (A12109) at dilution of 1:1000 (40x lens).Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



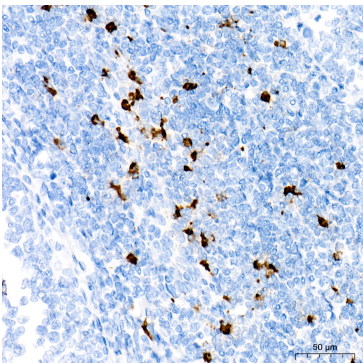
Immunohistochemistry analysis of Myeloperoxidase (MPO) in paraffin-embedded human extranodal NK-T cell lymphoma using Myeloperoxidase (MPO) Rabbit mAb (A12109) at dilution of 1:1000 (40x lens).Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Myeloperoxidase (MPO) in paraffin-embedded Human hepatocholangiocarcinoma using Myeloperoxidase (MPO) Rabbit mAb (A12109) 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.



Immunohistochemistry analysis of Myeloperoxidase (MPO) in paraffin-embedded human liver using Myeloperoxidase (MPO) Rabbit mAb (A12109) 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.



Immunohistochemistry analysis of Myeloperoxidase (MPO) in paraffin-embedded human tonsil using Myeloperoxidase (MPO) Rabbit mAb (A12109) 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.