

Product Datasheet

Myeloperoxidase/MPO Antibody (PD00-20) NBP3-32624

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-32624

Myeloperoxidase/MPO Antibody (PD00-20)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PD00-20
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	84 kDa
Product Description	
Host	Rabbit
Gene ID	4353
Gene Symbol	MPO
Species	Human
Immunogen	Synthetic peptide within Human Myeloperoxidase/MPO aa 600-700 (C terminal). (Uniprot: P05164)
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:5000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:1000



Images

Western Blot: Myeloperoxidase/MPO Antibody (PD00-20) [NBP3-32624]
- Western blot analysis of Myeloperoxidase/MPO on different lysates with Rabbit anti-Myeloperoxidase/MPO antibody (NBP3-32624) at 1/5,000 dilution.

Lane 1: HeLa cell lysate (negative)

Lane 2: HL-60 cell lysate

Lysates/proteins at 20 ug/Lane.

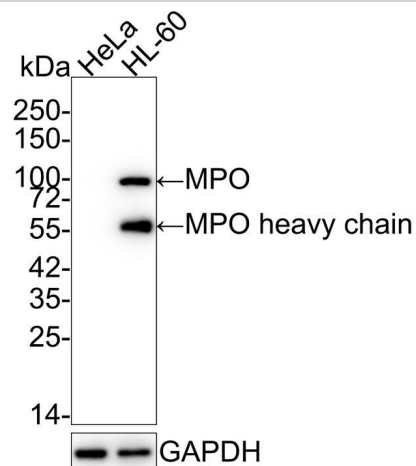
Predicted band size: 84 kDa

Observed band size: 84/55 kDa

Exposure time: 24 seconds;

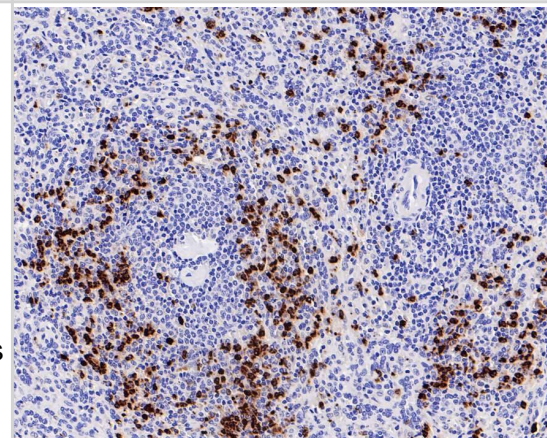
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32624) at 1/5,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



Immunohistochemistry: Myeloperoxidase/MPO Antibody (PD00-20) [NBP3-32624] - Immunohistochemical analysis of paraffin-embedded human spleen tissue with Rabbit anti-Myeloperoxidase/MPO antibody (NBP3-32624) at 1/1,000 dilution.

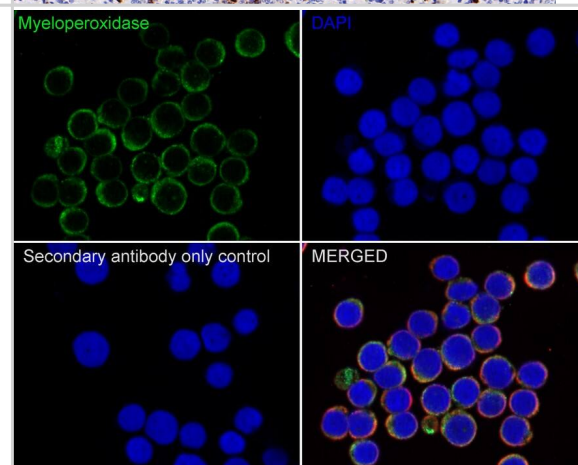
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-32624) at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunocytochemistry/ Immunofluorescence: Myeloperoxidase/MPO Antibody (PD00-20) [NBP3-32624] - Immunocytochemistry analysis of Jurkat cells labeling Myeloperoxidase/MPO with Rabbit anti-Myeloperoxidase/MPO/MPO antibody (NBP3-32624) at 1/100 dilution.

Cells were fixed in 80% precooled methanol for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Myeloperoxidase/MPO antibody (NBP3-32624) at 1/100 dilution in 1% BSA in PBST overnight at 4°C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

Beta tubulin (red) was stained at 1/100 dilution overnight at +4°C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.





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Products Related to NBP3-32624

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-87556PEP	Myeloperoxidase/MPO Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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