

Product Datasheet

MTH1 Antibody (PSH02-40) **NBP3-32612**

Unit Size: 100 ul

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

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Updated 8/7/2025 v.20.1

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NBP3-32612

MTH1 Antibody (PSH02-40)

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	PSH02-40
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	18 kDa

Product Description

Host	Rabbit
Gene ID	4521
Gene Symbol	NUDT1
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within human MTH1 aa 1-156 / 156 (Uniprot: P36639).

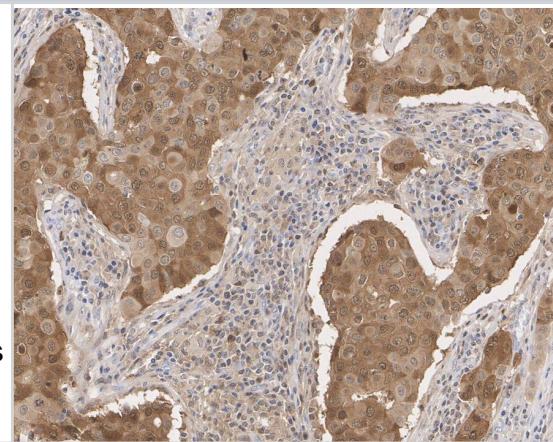
Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:1000, Immunohistochemistry, Immunohistochemistry-Paraffin 1:200-1:1000

Images

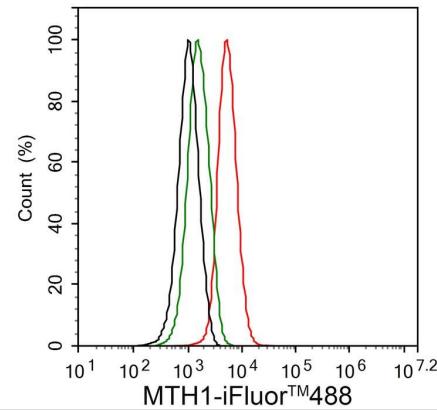
Immunohistochemistry: MTH1 Antibody (PSH02-40) [NBP3-32612] - Immunohistochemical analysis of paraffin-embedded human breast cancer tissue with Rabbit anti-MTH1 antibody (NBP3-32612) at 1/1,000 dilution.

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 (NBP3-32612) 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.



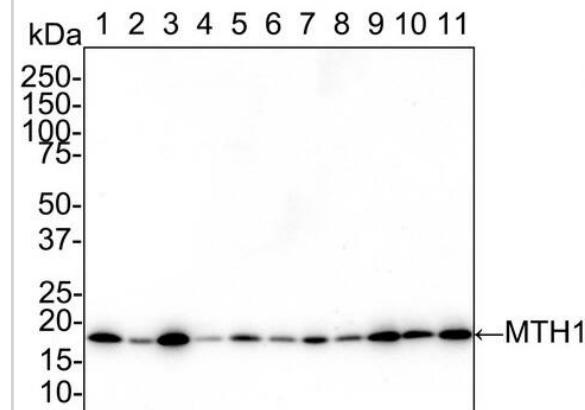
Flow Cytometry: MTH1 Antibody (PSH02-40) [NBP3-32612] - Flow cytometric analysis of Jurkat cells labeling MTH1.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32612, 1:1,000) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).



Western Blot: MTH1 Antibody (PSH02-40) [NBP3-32612] - Western blot analysis of MTH1 on different lysates with Rabbit anti-MTH1 antibody (NBP3-32612) at 1/1,000 dilution.

Lane 1: HEK-293 cell lysate
 Lane 2: HeLa cell lysate
 Lane 3: Jurkat cell lysate
 Lane 4: HepG2 cell lysate
 Lane 5: K-562 cell lysate
 Lane 6: A549 cell lysate
 Lane 7: MCF7 cell lysate
 Lane 8: SW480 cell lysate
 Lane 9: THP-1 cell lysate
 Lane 10: SK-OV-3 cell lysate
 Lane 11: U-2 OS cell lysate



Lysates/proteins at 20 µg/Lane.

Predicted band size: 18 kDa
 Observed band size: 18 kDa

Exposure time: 5 minutes;

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 at 1/1,000 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.



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Products Related to NBP3-32612

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-49309-0.1mg	Recombinant Human MTH1 His Protein

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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