

Product Datasheet

Ketohexokinase Antibody (PSH03-18) NBP3-32496

Unit Size: 100 ul

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

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NBP3-32496

Ketohehexokinase Antibody (PSH03-18)

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	PSH03-18
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	33 kDa

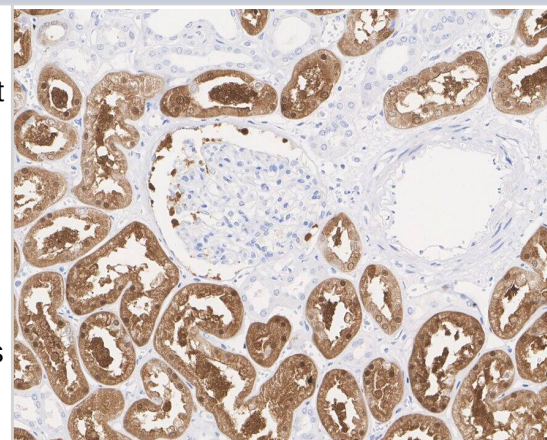
Product Description	
Host	Rabbit
Gene ID	3795
Gene Symbol	KHK
Species	Human, Mouse
Immunogen	Recombinant protein within human Ketohehexokinase aa 1-298 / 298. (Uniprot: P50053)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:500-1:2000

Images

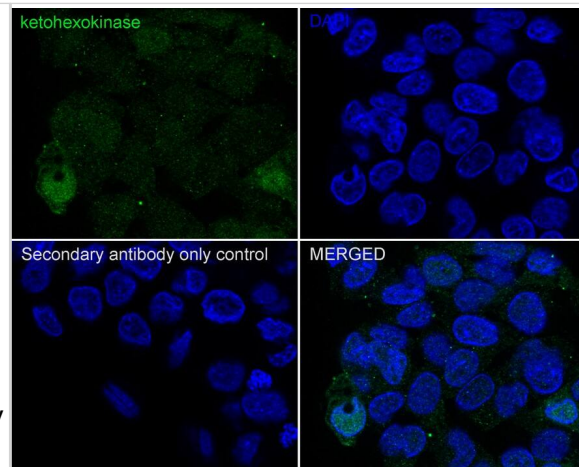
Immunohistochemistry: Ketohehexokinase Antibody (PSH03-18) [NBP3-32496] - Immunohistochemical analysis of paraffin-embedded human kidney tissue with Rabbit anti-Ketohehexokinase antibody (NBP3-32496) at 1/2,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 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 (NBP3-32496) at 1/2,000 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.



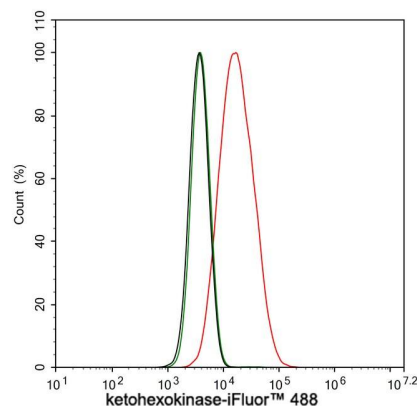
Immunocytochemistry/ Immunofluorescence: Ketohehexokinase Antibody (PSH03-18) [NBP3-32496] - Immunocytochemistry analysis of HepG2 cells labeling Ketohehexokinase with Rabbit anti-Ketohehexokinase antibody (NBP3-32496) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS 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-Ketohehexokinase antibody (NBP3-32496) 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.



Flow Cytometry: Ketohehexokinase Antibody (PSH03-18) [NBP3-32496] - Flow cytometric analysis of HepG2 cells labeling Ketohehexokinase.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32496, 1µg/mL) (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: Ketohehexokinase Antibody (PSH03-18) [NBP3-32496] - Western blot analysis of Ketohehexokinase on different lysates with Rabbit anti-Ketohehexokinase antibody (NBP3-32496) at 1/2,000 dilution.

Lane 1: Human liver tissue lysate
Lane 2: Human kidney tissue lysate
Lane 3: Mouse liver tissue lysate
Lane 4: Mouse kidney tissue lysate

Lysates/proteins at 20 µg/Lane.

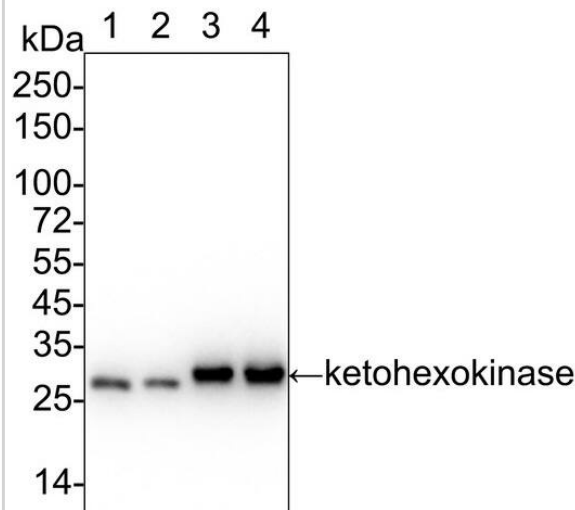
Predicted band size: 33 kDa

Observed band size: 33 kDa

Exposure time: 5 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 at 1/2,000 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 NBP3-32496

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-85790PEP	Ketohexokinase 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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