

# 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**

Ketohekinase 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

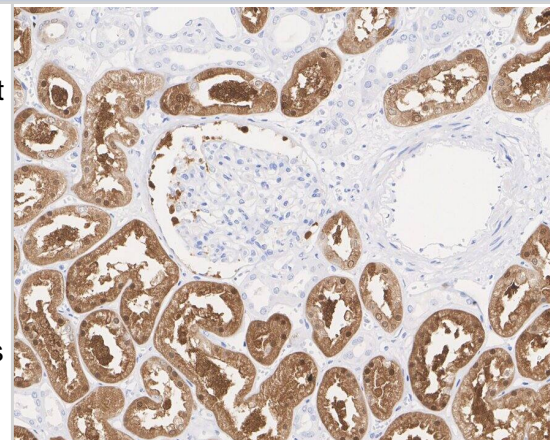
Product Description	
Description	Novus Biologicals Rabbit Ketohekinase Antibody (PSH03-18) (NBP3-32496) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3795
Gene Symbol	KHK
Species	Human, Mouse
Immunogen	Recombinant protein within human Ketohekinase 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**

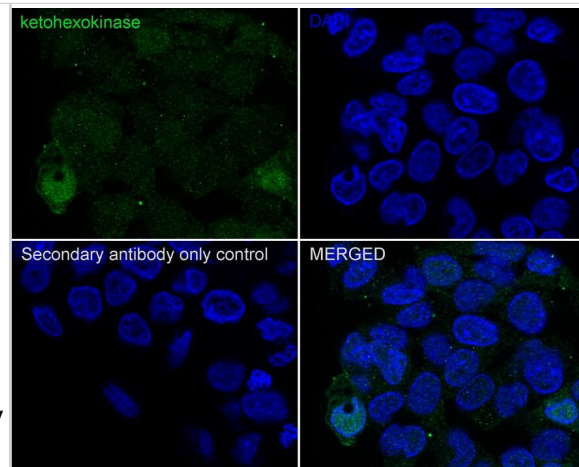
Immunohistochemistry: Ketohekinase Antibody (PSH03-18) [NBP3-32496] - Immunohistochemical analysis of paraffin-embedded human kidney tissue with Rabbit anti-Ketohekinase antibody (NBP3-32496) at 1/2,000 dilution.

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 ddH<sub>2</sub>O 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.



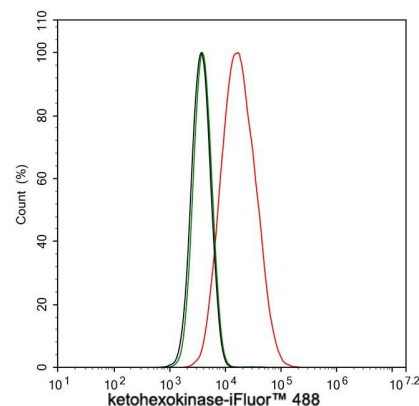
**Immunocytochemistry/ Immunofluorescence: Ketoheokinase Antibody (PSH03-18) [NBP3-32496]** - Immunocytochemistry analysis of HepG2 cells labeling Ketoheokinase with Rabbit anti-Ketoheokinase antibody (NBP3-32496) at 1/100 dilution.

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

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

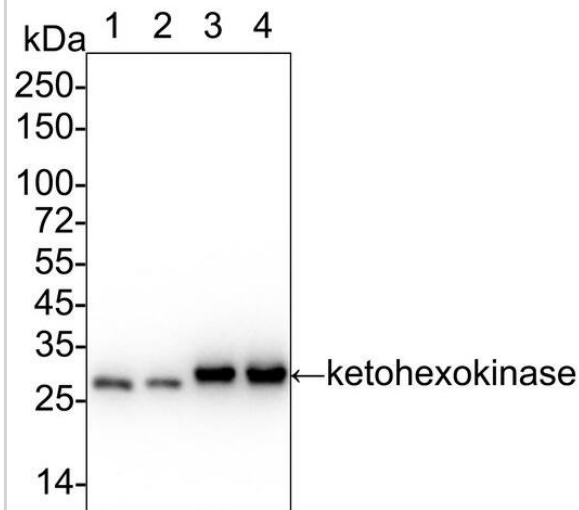
Lysates/proteins at 20 µg/Lane.

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% NFDN/TBST for 1 hour at room temperature. The primary antibody at 1/2,000 dilution was used in 5% NFDN/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**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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