Product Datasheet

Importin beta/KPNB1 Antibody (PSH01-60)
NBP3-32511

Unit Size: 100 ul

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

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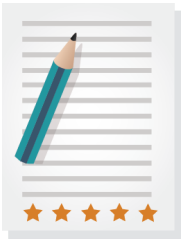


NBP3-32511

Importin beta/KPNB1 Antibody (PSH01-60)

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	PSH01-60
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	97.2 kDa

Product Description

Host	Rabbit
Gene ID	3837
Gene Symbol	KPNB1
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within human Importin beta/KPNB1 aa 1-550. (Uniprot: Q14974)

Product Application Details

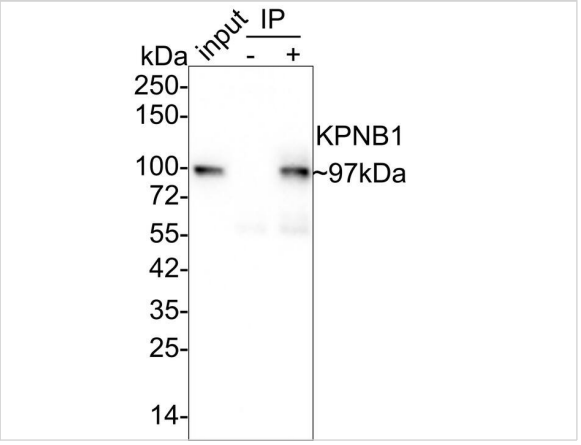
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunoprecipitation 1-2ug/sample, Immunohistochemistry-Paraffin 1:1000

Images

Immunoprecipitation: Importin beta/KPNB1 Antibody (PSH01-60) [NBP3-32511] - Importin beta/KPNB1 was immunoprecipitated in 0.2mg HeLa cell lysate with NBP3-32511 at 2 ug/25 ul agarose. Western blot was performed from the immunoprecipitate using NBP3-32511 at 1/1,000 dilution. Anti-Rabbit IgG for IP Nano-secondary antibody at 1/5,000 dilution was used for 1 hour at room temperature.

Lane 1: HeLa cell lysate (input)
Lane 2: Rabbit IgG instead of NBP3-32511 in HeLa cell lysate
Lane 3: NBP3-32511 IP in HeLa cell lysate

Blocking/Dilution buffer: 5% NFDM/TBST
Exposure time: 24 seconds



Western Blot: Importin beta/KPNB1 Antibody (PSH01-60) [NBP3-32511] - Western blot analysis of Importin beta/KPNB1 on different lysates with Rabbit anti-Importin beta/KPNB1 antibody (NBP3-32511) at 1/1,000 dilution.

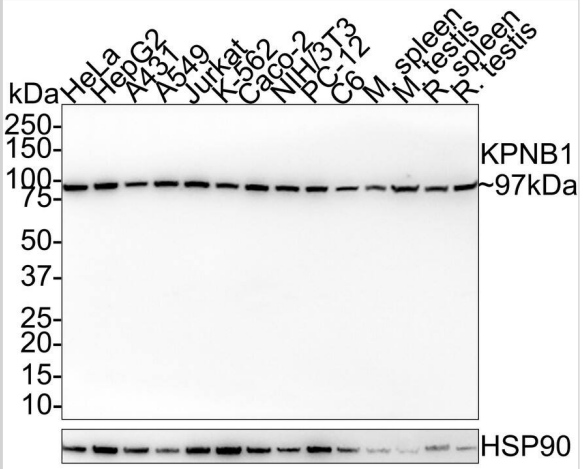
Lane 1: HeLa cell lysate (20 ug/Lane)
Lane 2: HepG2 cell lysate (20 ug/Lane)
Lane 3: A431 cell lysate (20 ug/Lane)
Lane 4: A549 cell lysate (20 ug/Lane)
Lane 5: Jurkat cell lysate (20 ug/Lane)
Lane 6: K-562 cell lysate (20 ug/Lane)
Lane 7: Caco-2 cell lysate (20 ug/Lane)
Lane 8: NIH/3T3 cell lysate (20 ug/Lane)
Lane 9: PC-12 cell lysate (20 ug/Lane)
Lane 10: C6 cell lysate (20 ug/Lane)
Lane 11: Mouse spleen tissue lysate (40 ug/Lane)
Lane 12: Mouse testis tissue lysate (40 ug/Lane)
Lane 13: Rat spleen tissue lysate (40 ug/Lane)
Lane 14: Rat testis tissue lysate (40 ug/Lane)

Predicted band size: 97 kDa
Observed band size: 97 kDa

Exposure time: 1 minute;

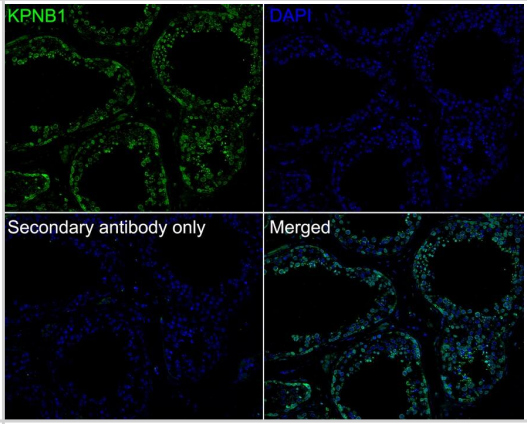
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32511) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/100,000 dilution was used for 1 hour at room temperature.



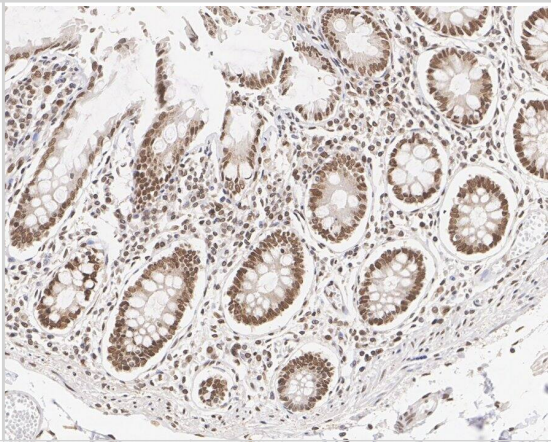
Immunohistochemistry: Importin beta/KPNB1 Antibody (PSH01-60) [NBP3-32511] - Immunofluorescence analysis of paraffin-embedded human testis tissue labeling Importin beta/KPNB1 with Rabbit anti-Importin beta/KPNB1 antibody (NBP3-32511) at 1/200 dilution.

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 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (NBP3-32511, green) at 1/200 dilution overnight at 4 □, washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



Immunohistochemistry: Importin beta/KPNB1 Antibody (PSH01-60) [NBP3-32511] - Immunohistochemical analysis of paraffin-embedded human colon tissue with Rabbit anti-Importin beta/KPNB1 antibody (NBP3-32511) at 1/1,000 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 (NBP3-32511) 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.



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Products Related to NBP3-32511

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-78815-50ug	Recombinant Human Importin beta/KPNB1 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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