

# Product Datasheet

## Importin alpha 3/KPNA4 Antibody NBP1-31260

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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Updated 9/25/2025 v.20.1

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**NBP1-31260****Importin alpha 3/KPNA4 Antibody**

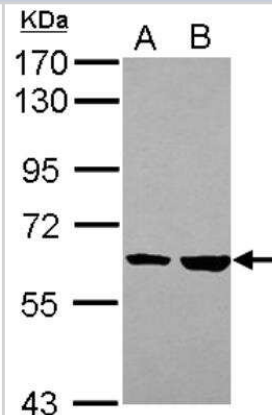
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Target Molecular Weight</b>	58 kDa

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit Importin alpha 3/KPNA4 Antibody (NBP1-31260) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Importin alpha 3/KPNA4 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3840
<b>Gene Symbol</b>	KPNA4
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human Importin alpha 3/KPNA4. The exact sequence is proprietary.

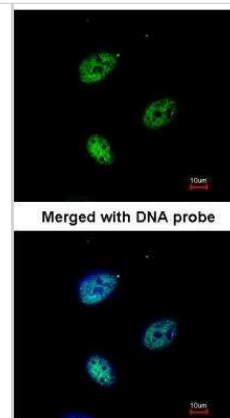
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

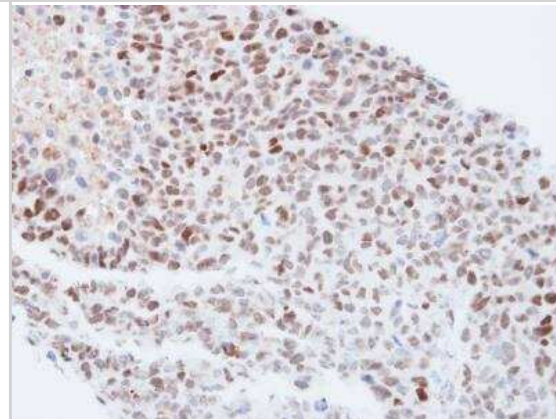
Western Blot: Importin alpha 3/KPNA4 Antibody [NBP1-31260] - Sample (30 ug of whole cell lysate) A: HeLa B: Hep G2 7.5% SDS PAGE diluted at 1:1000



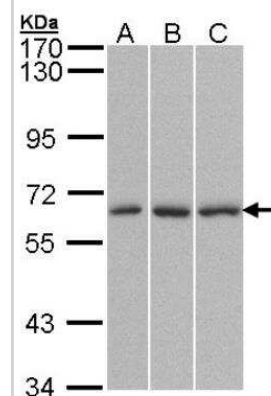
Immunocytochemistry/Immunofluorescence: Importin alpha 3/KPNA4 Antibody [NBP1-31260] - Analysis of HeLa, using KPNA4 antibody at 1:200 dilution.



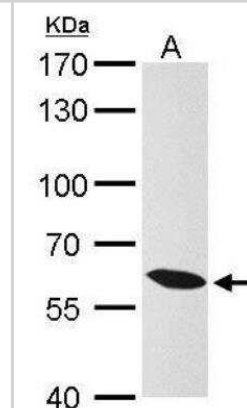
Immunohistochemistry-Paraffin: Importin alpha 3/KPNA4 Antibody [NBP1-31260] - H1299 xenograft, using KPNA4 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



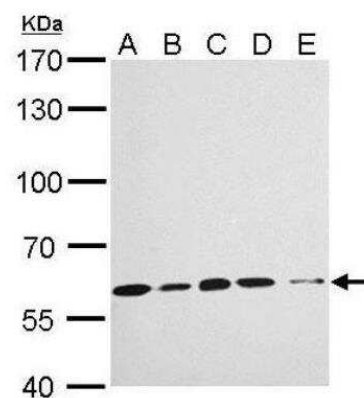
Western Blot: Importin alpha 3/KPNA4 Antibody [NBP1-31260] - Sample (30 ug of whole cell lysate) A: 293T B: HepG2 C: Molt-4 7.5% SDS PAGE diluted at 1:150



Western Blot: Importin alpha 3/KPNA4 Antibody [NBP1-31260] - A. 30 ug Rat2 whole cell lysate/extract 7.5 % SDS-PAGE KPNA4 antibody [C3], C-term dilution: 1:1000



Western Blot: Importin alpha 3/KPNA4 Antibody [NBP1-31260] - A. 30 ug Neuro2A whole cell lysate/extract. B. 30 ug GL261 whole cell lysate/extract. C. 30 ug C8D30 whole cell lysate/extract. D. 30 ug NIH-3T3 whole cell lysate/extract. E. 30 ug BCL-1 whole cell lysate/extract. 7.5 % SDS-PAGE KPNA4 antibody [C3], C-term dilution: 1:1000



## Publications

Andreu I, Granero-Moya I, Chahare NR et al. Mechanical force application to the nucleus regulates nucleocytoplasmic transport *Nature cell biology* 2022-06-01 [PMID: 35681009] (Mouse)

Solomon DA, Stepto A, Au WH et al. A feedback loop between dipeptide-repeat protein, TDP-43 and karyopherin-? mediates C9orf72-related neurodegeneration. *Brain* 2018-10-01 [PMID: 30239641] (WB, IF/IHC, ICC/IF, Human, Mouse)

Yang J, Lu C, Wei J et al. Inhibition of KPNA4 attenuates prostate cancer metastasis. *Oncogene* 2017-01-01 [PMID: 27941876] (WB, Mouse)

Jeong SA, Kim K, Lee JH et al. Akt-mediated phosphorylation increases the binding affinity of hTERT for importin alpha to promote nuclear translocation. *J. Cell. Sci.* 2015-05-21 [PMID: 25999477] (WB, Human)



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### **Products Related to NBP1-31260**

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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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