

Product Datasheet

Exportin 4 Antibody - BSA Free NB100-56495

Unit Size: 0.1 mg

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

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NB100-56495

Exportin 4 Antibody - BSA Free

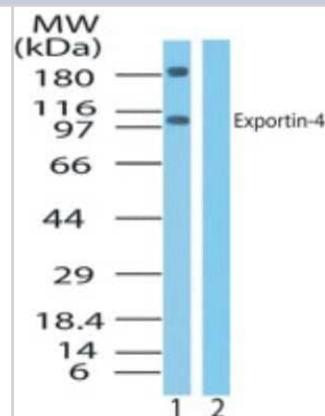
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS containing 0.2% gelatin

Product Description	
Description	Novus Biologicals Rabbit Exportin 4 Antibody - BSA Free (NB100-56495) is a polyclonal antibody validated for use in IHC and WB. Anti-Exportin 4 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	64328
Gene Symbol	XPO4
Species	Human, Mouse, Rat, Canine, Chicken, Primate
Reactivity Notes	The amino acid sequence used as immunogen is 100% homologous in human (isoforms CRA_a, _b, _c), rhesus monkey, chimp (isoforms 1-6), 94% homologous in bovine and xenopus, and 88% homologous in zebrafish.
Immunogen	A portion of amino acids 850-950 of human Exportin-4 was used as the immunogen.

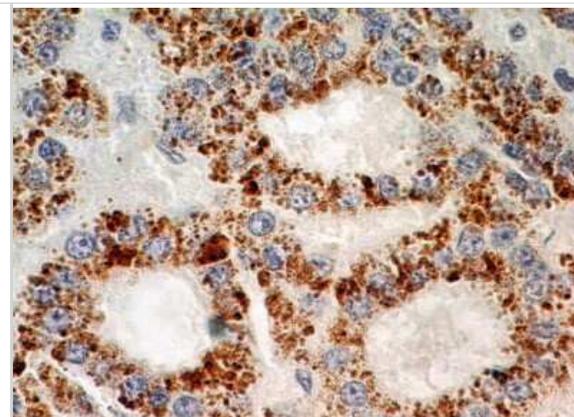
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1-3 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin

Images

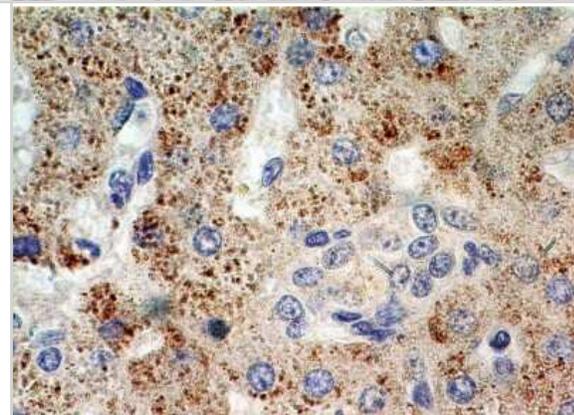
Western Blot: Exportin 4 Antibody [NB100-56495] - Analysis of Exportin-4 in Jurkat cell lysate in the 1) absence and 2) presence of immunizing peptide using this antibody.



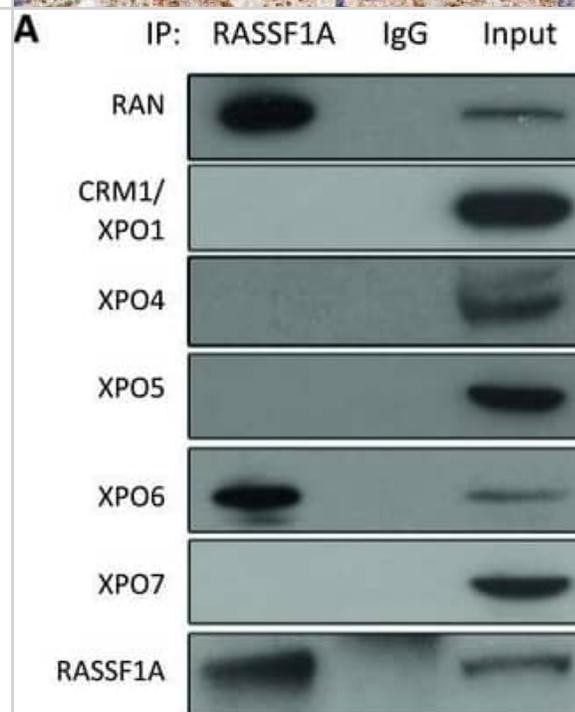
Immunohistochemistry-Paraffin: Exportin 4 Antibody [NB100-56495] - Formalin-fixed, paraffin-embedded human hepatocellular carcinoma stained with TEM8 antibody (5 ug/ml), peroxidase-conjugate and DAB chromogen. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



Immunohistochemistry-Paraffin: Exportin 4 Antibody [NB100-56495] - Formalin-fixed, paraffin-embedded human liver stained with TEM8 antibody (5 ug/ml), peroxidase-conjugate and DAB chromogen. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



Immunoprecipitation: Exportin 4 Antibody [NB100-56495] - RASSF1A binds to XPO6 though its SARAH domain. Co-immunoprecipitation of endogenous RASSF1A with endogenous RAN, CRM1/XPO1, XPO4, XPO5, XPO6 & XPO7 from HeLa cell lysates, compared with the IgG control. Upper: graphical representation of the domain structure of full-length RASSF1A & mutant constructs used for mapping RASSF1A/XPO6 interaction. Different domains are abbreviated as follows: SARAH, Salvador-RASSF-Hippo domain; C1, N-terminal C1 type zinc fingers; & RA, Ras-binding domain. Lower: Western blot analysis of MYC immunoprecipitation from the indicated inputs from HeLa cells. Co-immunoprecipitation of endogenous XPO6 with RAN in siRASSF1A from HeLa cell lysates. Co-immunoprecipitation of endogenous XPO6 with endogenous RAN, RASSF1A & MST2 in siRASSF1A & siMST2 HeLa cells. Quantification of the interaction of XPO6 with RASSF1A, RAN & MST2 relative to XPO6 is shown. Error bars derive from three independent experiments & represent the SEM. Co-immunoprecipitation of endogenous RASSF1A with endogenous XPO6 & RAN in siRNA-mediated knockdown of MST2 HeLa cells. Quantification of the interaction of RASSF1A with XPO6, RAN & MST2 relative to RASSF1A is shown. Error bars derive from three independent experiments & represent the SEM. Data information: Two-tailed Student's t-test was used for statistical analysis. *P < 0.05, **P < 0.01. Source data are available online for this figure. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31414556>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Chatzifrangkeskou, M, Pefani, D E Et al. RASSF1A is required for the maintenance of nuclear actin levels. EMBO J 2019-08-15 [PMID: 31414556] (WB, Mouse)

Metwally M, Bayoumi A, Khan A Et al. Copy number variation and expression of exportin-4 associates with severity of fibrosis in metabolic associated fatty liver disease EBioMedicine 2021-08-01 [PMID: 34388518] (WB, Human)

Chatzifrangkeskou M, Pefani D E et al. RASSF1A is required for the maintenance of nuclear actin levels. EMBO J 2019-07-06 [PMID: 31175105] (WB, Human)





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Products Related to NB100-56495

NB800-PC2	Jurkat Whole Cell Lysate
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

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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