

Product Datasheet

MUPP1 Antibody - BSA Free NBP1-49975

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NBP1-49975

MUPP1 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

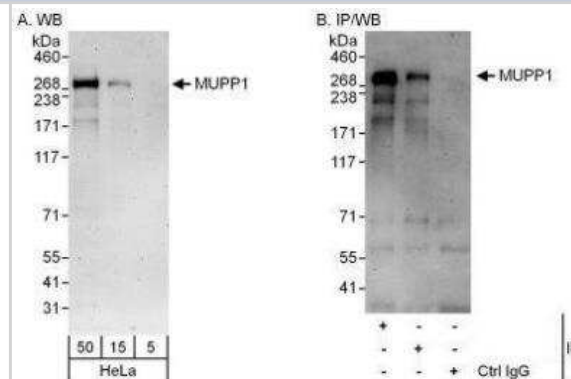
Product Description	
Description	Novus Biologicals Rabbit MUPP1 Antibody - BSA Free (NBP1-49975) is a polyclonal antibody validated for use in WB and IP. Anti-MUPP1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	8777
Gene Symbol	MPDZ
Species	Human
Immunogen	The immunogen for this product maps to a region between residue 1125 and 1150 of human Multiple PDZ Domain Protein using the numbering given in entry NP_003820.2 (GeneID 8777).

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunoprecipitation 2-5 ug/mg lysate

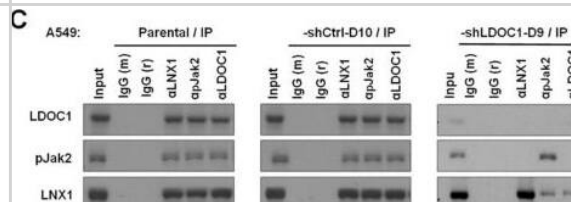


Images

Western Blot: MUPP1 Antibody [NBP1-49975] - Detection of Human MUPP1 by Western Blot and Immunoprecipitation. Samples: Whole cell lysate (5, 15 and 50 mcg for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-MUPP1 antibody used for WB at 0.1 mcg/ml (A) and 1 mcg/ml (B) and used for IP at 3 mcg/mg lysate. MUPP1 was also immunoprecipitated by rabbit anti-MUPP1 antibody which recognizes an upstream epitope. For blotting immunoprecipitated MUPP1 was used. Detection: Chemiluminescence with exposure times of 3 minutes (A and B).



Western Blot: MUPP1 Antibody [NBP1-49975] - LDOC1 interacts with Ligand Of Numb-Protein X 1 (LNx1) to promote phospho-JAK2 (pJAK2) degradation through the ubiquitin-proteasome pathway. (A,B) LDOC1 enhances proteasomal degradation (A) & ubiquitination (B) of pJAK2 in basal & IL-6-stimulated A549-derived cell lines. A549-derived cell lines were starved overnight & pretreated with CHX (100 µg/mL), either alone or with proteasome inhibitor MG132 (20 µM) for 3 h before IL-6 (100 ng/mL) stimulation. The cells were lysed in an NP-40 lysis buffer containing MG132 (20 µg/mL) & ubiquitin aldehyde (20 µg/mL) to inhibit isopeptidase activities. (A) Western blotting was performed to examine the levels of indicated proteins. (B,C) The cell extracts were precleared with mouse or rabbit IgG (IgGm or IgGr, respectively) before being immunoprecipitated using antibodies against either pJAK2 (B,C) or against LDOC1 & LNx1 antibodies (C). The input & the Immunoprecipitation (IP) fractions were analyzed through immunoblotting (blot) using antibodies that recognized the indicated proteins. After being stripped, the membrane was reblotted with an anti-pJAK2 antibody (B). (D) Associations between LDOC1-LNx1 & LDOC1-pJAK2 in IL-6-treated A549 & A549-shCtrl-D10 cells. IL-6 stimulated cells were subjected to immunofluorescence assay (IFA) by using anti-LDOC1-DyLight594 (red), anti-LNx1-FITC (green), & anti-pJAK2-FITC (green), respectively. The 4',6-diamidino-2-phenylindole (DAPI, blue) was used for nuclear counterstaining. Images were captured using a confocal microscope. IP or IFA performed with IgGm or IgGr were used as negative controls. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30634502>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Lee CH, Yang JR, Chen CY et al. Novel STAT3 Inhibitor LDOC1 Targets Phospho-JAK2 for Degradation by Interacting with LNx1 and Regulates the Aggressiveness of Lung Cancer. *Cancers (Basel)* 2019-01-09 [PMID: 30634502] (WB, Human)



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Products Related to NBP1-49975

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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