

Product Datasheet

VPS35 Antibody (7E4) - BSA Free NBP2-78823

Unit Size: 100 ug

Store at -20C.

www.novusbio.com



technical@novusbio.com

Publications: 2

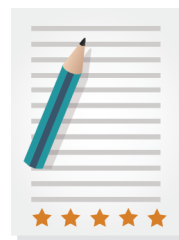
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NBP2-78823

VPS35 Antibody (7E4) - BSA Free

Product Information

Unit Size	100 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C.
Clonality	Monoclonal
Clone	7E4
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol

Product Description

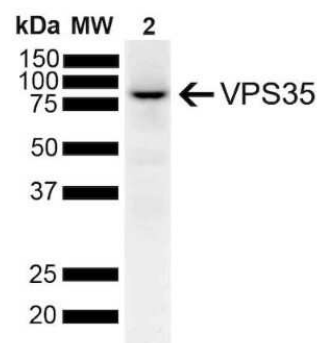
Description	Novus Biologicals Knockout (KO) Validated Mouse VPS35 Antibody (7E4) - BSA Free (NBP2-78823) is a monoclonal antibody validated for use in WB, ICC/IF and IP. Anti-VPS35 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	55737
Gene Symbol	VPS35
Species	Human, Mouse, Rat
Immunogen	Full length recombinant human VSP35

Product Application Details

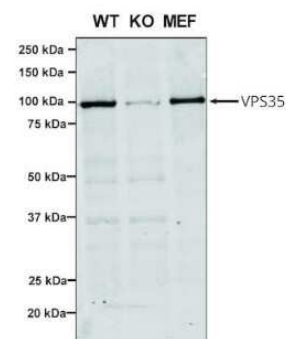
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockout Validated
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:200, Immunoprecipitation 1:200, Knockout Validated

Images

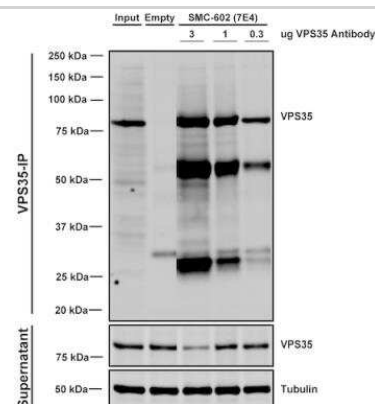
Western Blot: VPS35 Antibody (7E4) [NBP2-78823] - Western Blot analysis of Human SH-SY5Y lysates showing detection of 91.7 kDa VPS35 protein using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4 (NBP2-78823). Lane 1: Molecular Weight Ladder. Lane 2: SH-SY5Y. Load: 10 ug. Block: 5% Skim Milk powder in TBST. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody (NBP2-78823) at 1:1000 for 2 hours at RT with shaking. Secondary Antibody: Goat anti-mouse IgG:HRP at 1:4000 for 1 hour at RT with shaking. Color Development: Chemiluminescent for HRP (Moss) for 5 min in RT. Predicted/Observed Size: 91.7 kDa.



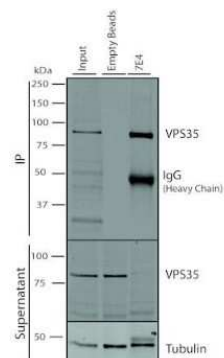
Western Blot: VPS35 Antibody (7E4) [NBP2-78823] - Western Blot analysis of Human, Mouse A549, MEF showing detection of VPS35 protein using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4 (NBP2-78823). Lane 1: Molecular Weight Ladder. Lane 2: VPS35 KO A549 cells. Lane 3: mouse embryonic fibroblast cells.. Load: 8 ug each A549 and MEF. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody (NBP2-78823) at 1:5 (tissue culture supernatant). Secondary Antibody: Donkey anti-mouse IRDye 800CW at 1:25000 in TBS-T.



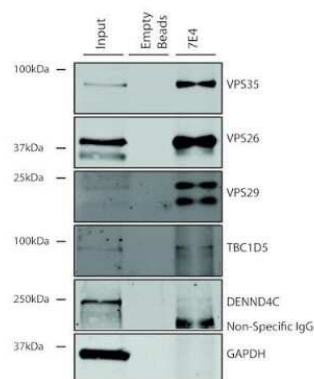
Immunoprecipitation: VPS35 Antibody (7E4) [NBP2-78823] - Tissue: embryonic fibroblast. Species: Mouse. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody (NBP2-78823). Three amounts of NBP2-78823 (3, 1 and 0.3 ug) were non-covalently coupled to 10uL of A/G sepharose beads for 1 hour at 4 degrees C and next incubated with 250ug of MEF lysate for 2 hours at 4 degrees C.



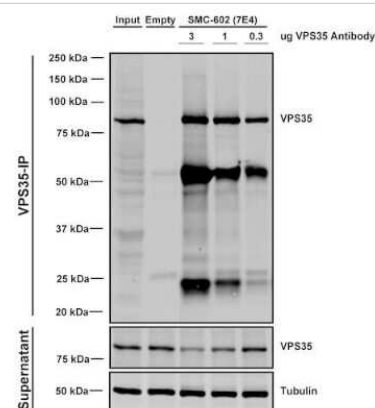
Immunoprecipitation: VPS35 Antibody (7E4) [NBP2-78823] - Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4 . Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody. 500 uL cell culture supernatants were incubated with 10 uL of Protein A/G resin beads for 1 hour at 4C. Clone 7E4 depletes virtually all of the VPS35 from the A549 cell extract.



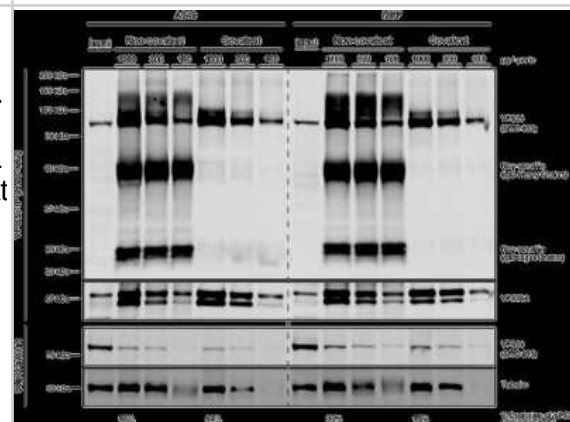
Immunoprecipitation: VPS35 Antibody (7E4) [NBP2-78823] - Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4. Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody.



Immunoprecipitation: VPS35 Antibody (7E4) [NBP2-78823] -
 Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4. Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody. Three amounts of NBP2-78823 (3, 1 and 0.3 ug) were non-covalently coupled to 10uL of A/G sepharose beads for 1 hour at 4C and next incubated with 250ug of A549 lysate for 2 hours at 4C.



Immunoprecipitation: VPS35 Antibody (7E4) [NBP2-78823] -
 Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4. Tissue: MEF, A549 cells. Species: Human, Mouse. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody (SMC-602) at 1:5 (tissue culture supernatant). 10 ug antibody were coupled to 10 uL A/G resin beads either covalently (with DMP) or non-covalently (1 hour at 4 degrees). The antibody immunoprecipitates VPS35 in mouse and human cells effectively when covalently coupled to the beads..



Publications

Ramonet D, Daerr A, Hallbeck M Stabilizing the retromer complex rescues synaptic dysfunction and endosomal trafficking deficits in an Alzheimer's disease mouse model. *Acta neuropathologica communications* 2025-09-11 [PMID: 40931359]

Dominko K, Rastija A, Sobocanec S et al. Impaired Retromer Function in Niemann-Pick Type C Disease Is Dependent on Intracellular Cholesterol Accumulation *International journal of molecular sciences* 2021-12-09 [PMID: 34948052]



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Products Related to NBP2-78823

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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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