

Product Datasheet

VPS35 Antibody NB100-1397

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Reviews: 5 Publications: 30

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-1397

Updated 10/23/2024 v.20.1

**Earn rewards for product
reviews and publications.**

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB100-1397



NB100-1397**VPS35 Antibody****Product Information**

Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	91 kDa

Product Description

Host	Goat
Gene ID	55737
Gene Symbol	VPS35
Species	Human, Mouse, Rat, Canine, Chicken, Chinese Hamster
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Bovine. It has been reported in the literature to react with Chinese hamster ovary cells (PMID: 22747682). Mouse reactivity reported in scientific literature (PMID: 28252385). Canine, chicken and rat reactivity reported from verified customer reviews.
Specificity/Sensitivity	Note there is a hypothetical protein called similar to vacuolar protein sorting 35 (XP_040192.1), which is virtually identical.
Immunogen	Peptide with sequence C-SPESEGPIYEGILIL corresponding to C-Terminus according to NP_060676.2.

Product Application Details

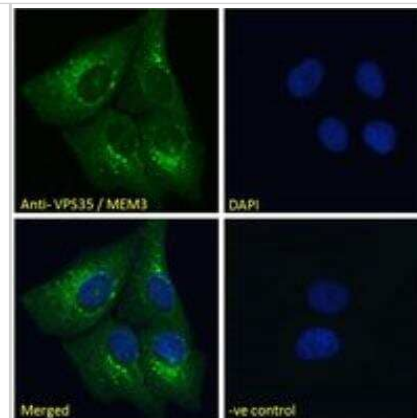
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.03 - 0.1 ug/mL, Immunohistochemistry 8 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin 8 ug/mL, Peptide ELISA Detection limit 1:128000
Application Notes	Western blot: Approx 90 kDa band observed in Human Brain (Cerebellum) and Mouse Brain lysates (calculated MW of 91.7 kDa according to NP_060676.2).

Images

Western Blot: VPS35 Antibody [NB100-1397] - Staining of HepG2 (A) and HEK293 (B) cell lysate (35 ug protein in RIPA buffer). Antibody at 0.03 ug/mL. Detected by chemiluminescence.



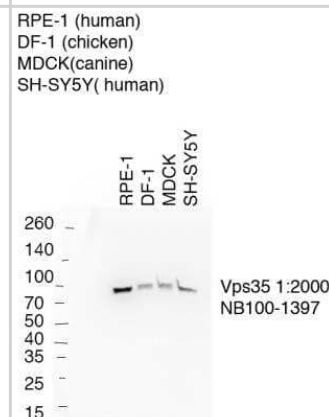
Immunocytochemistry/Immunofluorescence: VPS35 Antibody [NB100-1397] - Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic/vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



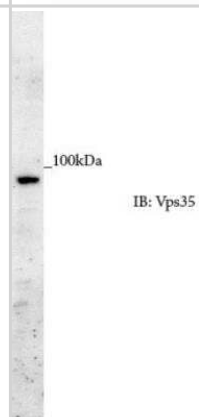
Immunohistochemistry-Paraffin: VPS35 Antibody [NB100-1397] - Negative Control showing staining of paraffin embedded Human Prostate, with no primary antibody.



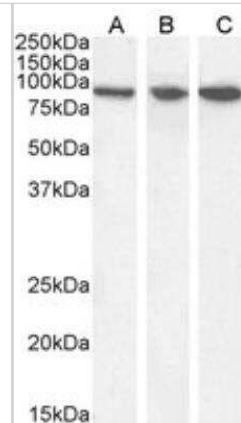
Western Blot: VPS35 Antibody [NB100-1397] - 10 ug cell lysate per lane of various cell lines as indicated, immunoblotted with vps35 antibody at 1:2000 at 4C for 20 hrs. Secondary antibody donkey anti-goat HRP at 1:5000 for 1 hr at room temp. WB image submitted by a verified customer review.



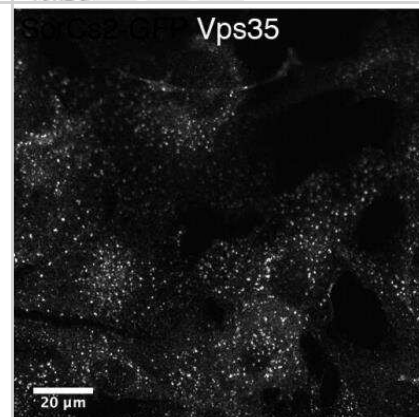
Western Blot: VPS35 Antibody [NB100-1397] - HEK293T cell lysate. WB image submitted by a verified customer review.



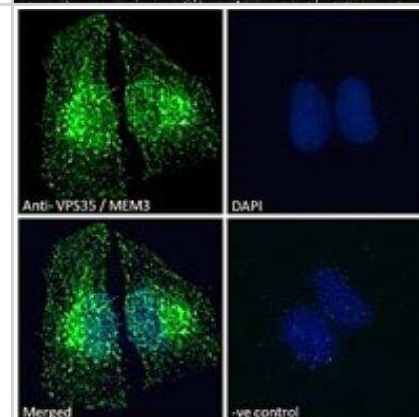
Western Blot: VPS35 Antibody [NB100-1397] - Staining of Human (A) Mouse (B) and Rat (C) Brain lysate (35 ug protein in RIPA buffer). antibody at 0.03 ug/mL. Detected by chemiluminescence.



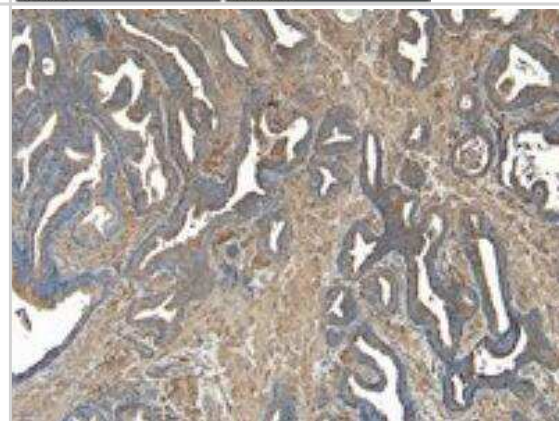
Immunocytochemistry/Immunofluorescence: VPS35 Antibody [NB100-1397] - Confocal microscopy image of human RPE-1 cells fixed with PFA, permeabilized with 0.3% Triton X-100, then immunostained with vps35 antibody at 1:2000 overnight in 1% BSA at 4 degrees. ICC image submitted by a verified customer review.



Immunocytochemistry/Immunofluorescence: VPS35 Antibody [NB100-1397] - Immunofluorescence analysis of paraformaldehyde fixed HEK293 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic/vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunohistochemistry-Paraffin: VPS35 Antibody [NB100-1397] - Staining of paraffin embedded Human Prostate. Antibody at 8 ug/mL. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Publications

Tarique Bagalkot, Alexander Sorkin Amphetamine Induces Sex-Dependent Loss of the Striatal Dopamine Transporter in Sensitized Mice *eNeuro* 2023-12-19 [PMID: 38164591]

Chen KE, Guo Q, Hill TA et al. De novo macrocyclic peptides for inhibiting, stabilizing, and probing the function of the retromer endosomal trafficking complex *Science Advances* 2021-12-03 [PMID: 34851660]

Rodriguez LZ The regulation of VPS34 and WNK1 kinase in the proximal tubule of the kidney in health and disease Thesis 2023-01-01 (WB, IHC, Mouse)

Rodriguez LZ The regulation of VPS34 and WNK1 kinase in the proximal tubule of the kidney in health and disease Thesis 2023-01-01 (WB, IHC, Mouse)

Rodriguez LZ The regulation of VPS34 and WNK1 kinase in the proximal tubule of the kidney in health and disease Thesis 2023-01-01 (WB, IHC, Mouse)

Yang Z, Feng Z, Li Z, Teasdale R Multifaceted Roles of Retromer in EGFR Trafficking and Signaling Activation Cells 2022-10-25 [PMID: 36359754] (WB, Human)

Huang Y, Huang H, Zhou L et al. Mutant D620N and VPS35 induces motor dysfunction and impairs DAT-mediated dopamine recycling pathway *Human molecular genetics* 2022-06-29 [PMID: 35766879]

Yasa S, Modica G, Sauvageau E Et Al. CLN3 regulates endosomal function by modulating Rab7A effector interactions *J. Cell. Sci.* 2020-02-07 [PMID: 32034082] (WB, Human)

Cui Y, Yang Z, Flores-Rodriguez N et al. Formation of retromer transport carriers is disrupted by the Parkinson disease-linked Vps35 D620N variant *Traffic (Copenhagen, Denmark)* 2020-12-21 [PMID: 33347683]

Tammineni P, Jeong Y Y et al. Impaired axonal retrograde trafficking of the retromer complex augments lysosomal deficits in Alzheimer's disease neurons. *Hum Mol Genet* 2017-11-15 [PMID: 28973312] (IF/IHC, WB, Mouse)

Han J, Goldstein LA, Hou W et al. Involvement of CASP9 (caspase 9) in IGF2R/CI-MPR endosomal transport *Autophagy* 2020-05-25 [PMID: 32397873] (WB, Mouse)

Kramer BA, Pelkmans L Cellular state determines the multimodal signaling response of single cells *bioRxiv* 2019-12-19 (ICC/IF, Human)

More publications at <http://www.novusbio.com/NB100-1397>





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-1397

NB820-59177	Human Brain Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-1397

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications



