

Product Datasheet

SV2A Antibody - BSA Free

NBP1-82964

Unit Size: 0.1 ml

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

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NBP1-82964

SV2A Antibody - BSA Free

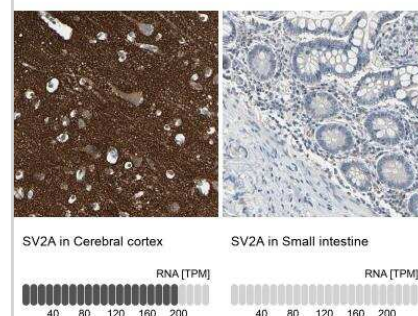
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	9900
Gene Symbol	SV2A
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported from a verified customer review.
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SDGYRGETQDEEEGGASSDATEGHDEDEIYEGEYQGIPRAESGGKGER MADGAPLAGVRGGLSDGEGPPGGRGEAQRKEREELAQQYEAILRECGHGR FQW

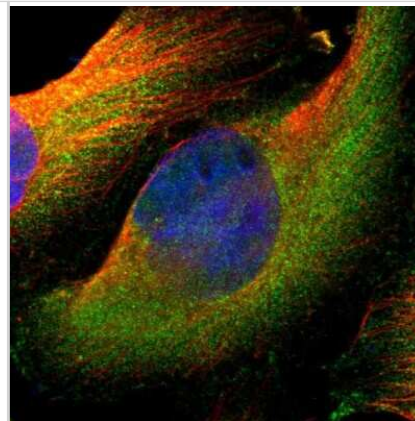
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot Reported in scientific literature (PMID: 24284412)/verified customer review., Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunoprecipitation Reported in scientific literature (PMID: 24284412)/verified customer review., Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization, Use PFA/Triton X-100.

Images

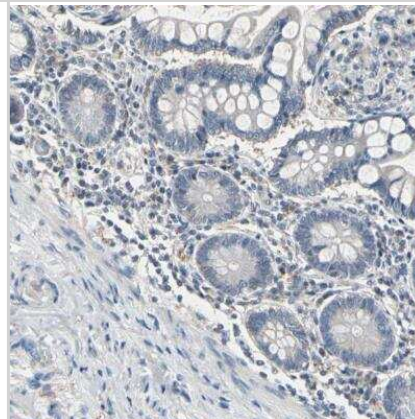
Immunohistochemistry-Paraffin: SV2A Antibody [NBP1-82964] - Analysis in human cerebral cortex and small intestine tissues using HPA007863 antibody. Corresponding SV2A RNA-seq dat



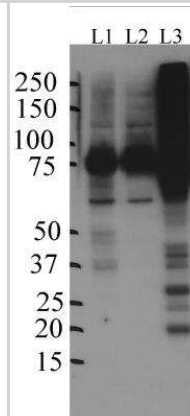
Immunocytochemistry/Immunofluorescence: SV2A Antibody [NBP1-82964] - Staining of human cell line U-251 MG shows localization to cytosol. Antibody staining is shown in green.



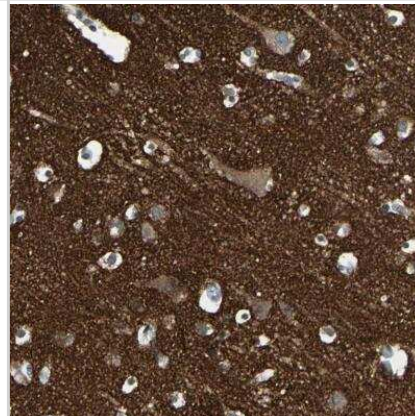
Immunohistochemistry-Paraffin: SV2A Antibody [NBP1-82964] - Staining of human small intestine shows no positivity in glandular cells.



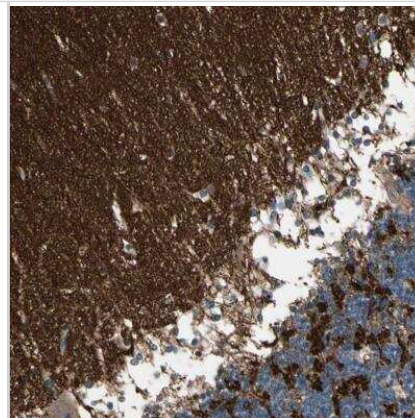
Western Blot: SV2A Antibody [NBP1-82964] - Analysis of SV2A in (1) undifferentiated SH-SY5Y, (2) differentiated SH-SY5Y (neurons) and (3) mouse brain using anti-SV2A antibody. 30ug of protein/lane. Image from verified customer review.



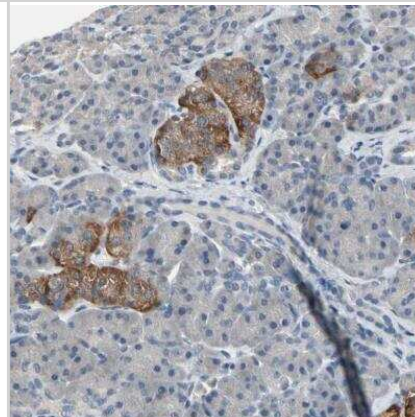
Immunohistochemistry-Paraffin: SV2A Antibody [NBP1-82964] - Staining of human cerebral cortex shows strong cytoplasmic positivity in neuropil.



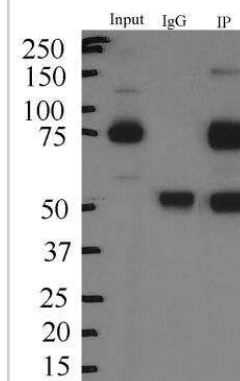
Immunohistochemistry-Paraffin: SV2A Antibody [NBP1-82964] - Staining of human cerebellum shows strong cytoplasmic positivity in neuropil.



Immunohistochemistry-Paraffin: SV2A Antibody [NBP1-82964] - Staining of human pancreas shows strong cytoplasmic positivity in islets of Langerhans.



Immunoprecipitation: SV2A Antibody [NBP1-82964] - Staining of neuroblastoma cells SH-SY5Y differentiated into neurons. Lane (1) 10ug of input, 500ug used for IP. 10ul of antibody used for incubation with lysate (overnight incubation at 4C with rotation) prior to addition of beads. Image from verified customer review.



Publications

Wei X, Hu J, Jiang L et al. Production and characterization of cell-penetrating recombinant botulinum neurotoxin type A STAR Protocols 2023-03-01 [PMID: 36853731]

Siems SB, Gargareta VI, Schadt LC et al. Developmental maturation and regional heterogeneity but no sexual dimorphism of the murine CNS myelin proteome. *Glia* 2024-09-30 [PMID: 39344832]

Rose N, Holdermann S, Callegari I et al. Receptor clustering and pathogenic complement activation in myasthenia gravis depend on synergy between antibodies with multiple subunit specificities *Acta Neuropathologica* 2022-11-01 [PMID: 36074148] (Immunohistochemistry-Frozen, Immunocytochemistry/ Immunofluorescence)

Nensa FM, Neumann MH, Schrotter A et al. Amyloid Beta A4 Precursor Protein-binding Family B Member 1 (FE65) Interactomics Revealed Synaptic Vesicle Glycoprotein 2A (SV2A) and Sarcoplasmic/Endoplasmic Reticulum Calcium ATPase 2 (SERCA2) as New Binding Proteins in the Human Brain. *Mol Cell Proteomics* 2014-02-01 [PMID: 24284412] (IP, WB, Human)

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. *Nat Methods* 2013-04-01 [PMID: 23435261]



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Products Related to NBP1-82964

NBP1-82964PEP	SV2A Recombinant Protein Antigen
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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