Product Datasheet

SNAP25 Antibody
NB100-1492

Unit Size: 0.1 mg

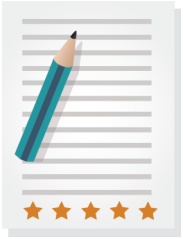
Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-1492

Updated 9/9/2025 v.20.1



NB100-1492

SNAP25 Antibody

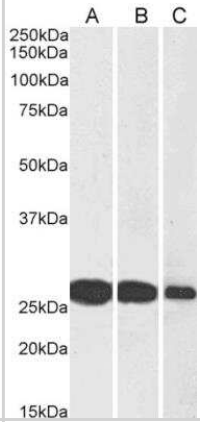
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat SNAP25 Antibody (NB100-1492) is a polyclonal antibody validated for use in WB and ELISA. Anti-SNAP25 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	6616
Gene Symbol	SNAP25
Species	Human, Mouse, Rat
Specificity/Sensitivity	This antibody is expected to recognise both reported isoforms NP_003072.2 (SNAP25A) and NP_570824.1 (SNAP25B). Reported variants represent identical protein: NP_001309831.1, NP_003072.2 Reported variants represent identical protein: NP_001309834.1, NP_001309832.1, NP_001309833.1, NP_001309839.1, NP_001309836.1, NP_570824.1, NP_001309838.1, NP_001309835.1, NP_001309837.1
Immunogen	Peptide with sequence C-DEANQRATKMLGSG corresponding to C-Terminus according to NP_003072.2, NP_570824.1.

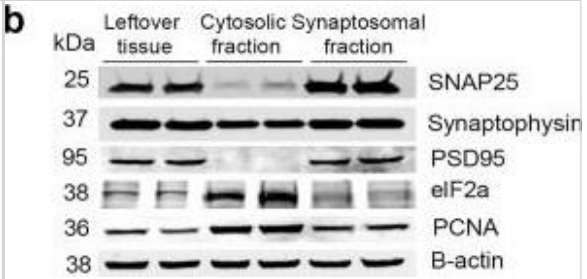
Product Application Details	
Applications	Western Blot, Peptide ELISA
Recommended Dilutions	Western Blot 0.005-0.01ug/ml, Peptide ELISA detection limit 1:64000
Application Notes	Western blot: Approx 26 kDa band observed in Human Brain and Mouse and Rat Brain lysates (calculated MW of 23.3kDa according to Human NP_003072.2, Mouse NP_035558.1 and Rat NP_001257504.1).

Images

Western Blot: SNAP25 Antibody [NB100-1492] - (0.005ug/ml) staining of Human Brain (Cerebellum) (A), Mouse Brain (B) and Rat Brain (C) lysates (35ug protein in RIPA buffer). Detected by chemiluminescence.



Extraction and characterization of synaptosomes.a Brief workflow of the current study. b Immunoblotting analysis of synaptic (SNAP25, synaptophysin and PSD95) and cytosolic (eIF1a and PCNA) proteins in cytosolic fraction, synaptosomal fraction and leftover tissue debris of unaffected control postmortem brain tissues. c Densitometry analysis of synaptic and cytosolic proteins. Synaptic proteins levels (PSD95; P = 0.003), (SNAP25; P = 0.0061), (Synaptophysin; P = 0.026) were significantly higher in synaptosomes and cytosolic proteins (eIF1a; P = 0.012) and (PCNA; P = 0.018) levels were significantly lower in synaptosomes relative to cytosol. d qRT-PCR analysis for mRNA fold change analysis of synaptic and cytosolic genes in cytosolic and synaptosomal fractions (n = 5). e TEM analysis of synapse assembly in synaptosomal fraction from unaffected control and AD patients' postmortem brains (scale bar 500 nm magnification). Electron micrograph shows synapse components: Mt mitochondria, SV synaptic vesicles, PSD postsynaptic density, SC synaptic cleft. f Immunoblotting analysis of brain cells markers (Neuron-NeuN; Microglia-Iba1), excitatory synapse marker (VGLUT1) and inhibitory synapse marker (GABARA1) proteins in unaffected controls (n = 4) and AD (n = 4) synaptosomes. g Densitometry analysis of NeuN, Iba1, VGLUT1, and GABARA1 proteins in unaffected controls and AD synaptosomes. All blots are driven from the same experiment and were proceed parallelly (b, f). Values in the bar diagrams are mean +/- SEM and error bars are equivalent throughout the figure (c, d, g). Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/35941185), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Kumar S, Orlov E, Gowda P et al. Synaptosome microRNAs regulate synapse functions in Alzheimer's disease NPJ genomic medicine 2022-08-08 [PMID: 35941185] (WB, Mouse)

Voeller KK. Attention-deficit hyperactivity disorder (ADHD). J Child Neurol 2004-10-01 [PMID: 15559895]

Mouton-Liger F, Sahun I, Collin T et al. Developmental molecular and functional cerebellar alterations induced by PCP4/PEP19 overexpression: Implications for Down syndrome. Neurobiol Dis 2014-03-01 [PMID: 24291518] (WB, Rat)

Guedj F, Pereira PL, Najas S et al. DYRK1A: A master regulatory protein controlling brain growth. Neurobiol Dis. 2012-01-26 [PMID: 22293606]

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Products Related to NB100-1492

NBL1-16268	SNAP25 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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.

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