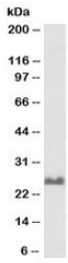
SNAP25 Antibody Biotin Conjugate (R33407BTN)

Catalog No.	Formulation	Size
R33407BTN	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Rat, Dog
Format	Biotin Conjugate
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
Gene ID	6616
Applications	Western blot: 0.1-0.3ug/ml Immunohistochemistry (FFPE): suitable ELISA (peptide) LOD: 1:64000
Limitations	This SNAP25 Antibody Biotin Conjugate is available for research use only.



SNAP25 Antibody Biotin Conjugate WB. Western blot testing of rat brain lysate with biotinylated SNAP25 antibody at 0.1ug/ml. Expected molecular weight: ~25kDa.

Description

SNAP25 Antibody Biotin Conjugate recognizes SNAP25, also called synaptosomal-associated protein 25, an essential component of the neuronal SNARE complex. SNAP25 associates with syntaxin and synaptobrevin/VAMP proteins to form the molecular machinery that brings synaptic vesicles and the presynaptic plasma membrane together during regulated exocytosis. Through this activity, SNAP25 plays a central role in synaptic vesicle docking, membrane fusion and

neurotransmitter release.

SNAP25 is highly enriched in neurons and is particularly associated with presynaptic nerve terminals. The protein is widely studied in research involving synaptic organization, neuronal signaling, neurotransmission and regulated secretion. SNAP25 is also a substrate of several clostridial neurotoxins, whose cleavage of the protein disrupts SNARE complex function and inhibits neurotransmitter release.

This SNAP25 Antibody Biotin Conjugate is derived from an antigen affinity-purified goat polyclonal antibody generated against a SNAP25 peptide. The biotin-conjugated format enables detection using avidin- or streptavidin-based systems and provides an alternative to an unconjugated primary antibody for compatible experimental designs. NSJ Bioreagents provides this biotinylated SNAP25 Antibody for research into SNAP25 expression, presynaptic biology and synaptic function.

For additional reagents and information on this neuronal SNARE protein, visit our SNAP25 Antibody / Synaptic Vesicle Fusion Protein page.

Application Notes

Optimal dilution of the SNAP25 Antibody Biotin Conjugate should be determined by the researcher.

Immunogen

Amino acids DEANQRATKMLGSG were used as the immunogen for this SNAP25 antibody.

Storage

Aliquot and store the SNAP25 antibody at -20oC.

Alternate Names

SNAP25 antibody, SNAP-25 antibody, synaptosomal-associated protein 25 antibody, synaptosomal-associated protein 25 kDa antibody, presynaptic protein antibody

Copyright © NSJ Bioreagents. All rights reserved.