

Datasheet for 612-401-E31**SNAP25 Antibody****Overview**

Description:	Anti-SNAP25 (RABBIT) Antibody - 612-401-E31
Item No.:	612-401-E31
Size:	100 µL
Applications:	WB
Reactivity:	Rat
Host Species:	Rabbit

Product Details

Background:	SNAP25 antibody detects synaptosomal associated protein of 25 kDa, which is a presynaptic plasma membrane protein widely distributed throughout the brain. SNAP25 is involved in the regulation of neurotransmitter release, and decreased levels of SNAP25 have been found in the brains of patients with Down Syndrome and Alzheimer's Disease. In addition, a significant reduction in the hippocampal expression of SNAP25 has also been found in patients with Schizophrenia. Anti-SNAP25 Antibody is ideal for investigators involved in Neuroscience, and Signal Transduction research.
Synonyms:	Synaptosomal-associated protein 25, Super protein, SUP, Synaptosomal-associated 25 kDa protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Snap25
Reactivity:	Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SNAP25 Antibody was produced by repeated immunizations with synthetic peptide corresponding to amino acid residues from the C-terminal region of SNAP25 protein.

Purity/Specificity: Anti-SNAP25 antibody is directed against rat SNAP25. SNAP25 antibody is affinity purified from monospecific antiserum by immunoaffinity purification. Cross reactivity with SNAP25 from other species is expected from the following species based on 100% sequence homology: mouse, human, zebra fish, bovine, canine, chicken, guinea pig and non-human primate.

Relevant Links:

- [UniProtKB - P60881](#)
- [GeneID - 25012](#)
- [NCBI - AAH87699.1](#)

Application Details

Tested Applications: WB

Application Note: Anti-SNAP 25 antibody is tested for use in Western Blots. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 25 kDa in size corresponding to SNAP25 protein in the appropriate cell lysate or extracts.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

WB: 1:1000

Formulation

Physical State: Liquid

Buffer: 0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5

Stabilizer: 0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

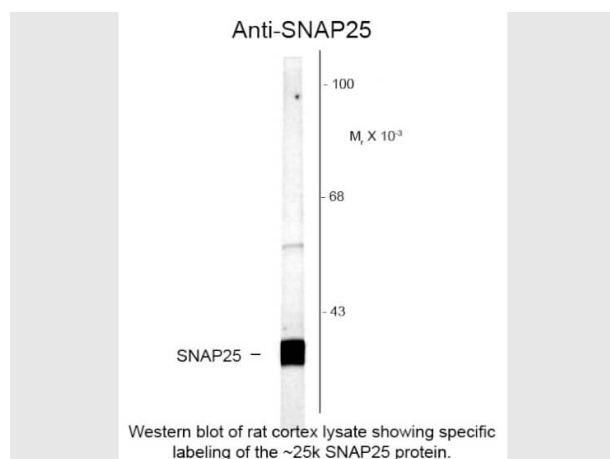
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit anti-SNAP25 antibody. Lane 1: rat cortex lysate. Lane 2: none. Load: 10 µg per lane. Primary antibody: SNAP25 antibody at 1:1,000 for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 25 kDa for SNAP25. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.