



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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**SNAP25. Mouse Monoclonal Antibody**

**BACKGROUND**

SNAP25 (Synaptosome-Associated Protein of 25 kDa) is a membrane bound, pre-synaptic nerve terminal protein that plays an essential role in synaptic vesicle fusion and exocytosis. It is involved in the molecular regulation of neurotransmitter release. It is thought to play an important role in the synaptic function of specific neuronal systems. SNAP25 associates with proteins involved in vesicle docking and membrane fusion. SNAP25 exists as two alternatively spliced isoforms, SNAP25A and SNAP25B. These isoforms are differentially expressed in neurons and neuroendocrine cells. These two isoforms differ by 9 amino acids in the central portion of the protein.

**IMMUNOGEN**

Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with purified rat SNAP25 and mouse NS1 cells.

**POSITIVE CONTROL/TISSUE EXPRESSION**

Cerebellum

**COMMENTS**

Antibody can be used for Western blotting (1-5  $\mu$ g/ml) and immunohistochemistry on paraformaldehyde fixed CNS tissues (1-5  $\mu$ g/ml). Does not stain reduced proteins. Optimal concentration should be evaluated by serial dilutions.

**ORDERING INFORMATION**

**CATALOG NUMBER**

X1598M

**SIZE**

100  $\mu$ g

**FORM**

Unconjugated

**HOST/CLONE**

Mouse Clone B-29-F9

**FORMULATION**

Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**

See vial for concentration

**ISOTYPE**

IgG1

**APPLICATIONS**

Western Blot, Immunohistochemistry (Paraffin)

**SPECIES REACTIVITY**

Human, Mouse, Rat, Monkey, Chicken, Cow

**ACCESSION NUMBER**

,

**PURIFICATION**

Protein A/G Chromatography

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

1. Ritchie, T.C., et al. "A nerve terminal protein with a selective distribution in spinal cord and brain." J. Neurosci. 1989: 9, 2697-2709
2. Zhao, N., et al. "Cloning and sequence analysis of the human SNAP25 cDNA." Gene 1994: 145, 313-314
3. McMahon, H.T., et al. "Synaptic core complex of synaptobrevin, syntaxin and SNAP25 forms high affinity alpha-SNAP binding site." J. Biol. Chem. 1995: 270, 2213-2217
4. Gerona, R.R., et al. "The C terminus of SNAP25 is essential for Ca(2+)-dependent binding of synaptotagmin to SNARE complexes." J. Biol. Chem. 2000: 275, 6328-6336