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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SNAP. Mouse Monoclonal Antibody

BACKGROUND

SNAPs (soluble NSF attachment proteins), acting in concert with SNAREs (SNAP receptors) and the N-ethylmaleimide-sensitive fusion protein (NSF), are required for the fusion of transport vesicles to their target membranes in synaptic transmission, intra-Golgi transport, endosome-to-endosome fusion and transcytotic vesicles-to-plasma membrane transport. Vesicle-to-target membrane docking (initial contact) occurs when the vesicle SNARE binds to its cognate target membrane SNARE. α -SNAP (or β SNAP in brain) then binds to this docking complex and mediates the binding of NSF and thus the formation of a 20 S fusion particle. It is thought that, once NSF is bound, ATP hydrolysis by NSF initiates the fusion process. Whereas α -SNAP is expressed in all mammalian tissues, β -SNAP is expressed only in brain.

IMMUNOGEN

Balb/C mice were immunized with recombinant human α -SNAP. The resultant hybridomas were selected for reactivity with the immunogen by ELISA and with the antigen by western blot. The antibody was purified to >95% homogeneity by standard chromatographic techniques

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Optimal concentration should be evaluated by serial dilutions. Clone 4E4 anti- α SNAP specifically recognizes α -SNAP as a single band of ~36 kDa on western blot of rat kidney, rat brain and MDBK cells and does not recognize β -SNAP

Application: A dilution of 0.5-5 ug/ml is suggested for western blot and 2-10 ug/ml for immunoprecipitation.

ORDERING INFORMATION

CATALOG NUMBER

X1026

SIZE

100 μ g

FORM

Unconjugated

HOST/CLONE

Mouse Clone 15D4

FORMULATION

0.02M sodium phosphate, pH 7.5,
0.15M sodium chloride, 50% glycerol.
No preservatives have been included
in the antibody solution.

CONCENTRATION

See vial for concentration

ISOTYPE

IgG1

APPLICATIONS

Western Blot, Immunoprecipitation,
Enzyme Immunoassay,

SPECIES REACTIVITY

Human, Rat, Bovine

ACCESSION NUMBER

P54920, Human

PURIFICATION**SHIP CONDITIONS**

Room Temperature

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