

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human Snapin in direct ELISAs and human and mouse Snapin in Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 809116
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Snapin Met1-Lys136 Accession # O95295
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Snapin (SNARE-associated protein) is an approximately 15 kDa, 136 amino acid vesicular phosphoprotein that contains a coiled-coil interacting domain. In neurons, it binds SNAP25 and RGS7 and regulates steps between synaptic vesicle docking and neurotransmitter release. In pancreatic β cells, it mediates incretin-stimulated insulin secretion. In germ cells, it binds PUM2 and Nanos1 as a putative adaptor protein. Human Snapin shares 98% aa sequence identity with mouse and rat Snapin, while mouse and rat Snapin share 100% aa sequence identity with each other.

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