
anti-Syntaxin 1

Cat #: HM1363
Mouse monoclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Syntaxin 1 is a 35 kDa integral membrane protein which plays a role in vesicular trafficking and membrane fusion. It has two isoforms: syntaxin 1A is localized to nerve terminals of sensory neurons and nerve fibers reaching small blood vessels, syntaxin 1B is localized to motor end plates and muscle spindles. Syntaxin1 and other syntaxins bind to various proteins involved in exocytosis, including VAMPs (vesicle-associated membrane proteins), NSF (N-ethylmaleimide-sensitive factor), SNAP 25 (synaptosomal associated protein of 25 kDa), SNAPs (soluble NSF attachment proteins) and synaptotagmin. Syntaxin 1A can be phosphorylated by casein kinase II and phosphorylation of syntaxin enhances its interaction with synaptotagmin.

SPECIFICITY

This antibody recognizes Syntaxin 1 of human, mouse and rat origin. It may also recognize other Syntaxins.

The antibody can be used in Western blotting, immunoprecipitation and immunostaining.

IMMUNOGEN

A peptide corresponding to the internal region of human Syntaxin 1.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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