

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SLITRK2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) SLITRK1, rhSLITRK4, or rhSLITRK5 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 312420
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human SLITRK2 Thr19-Pro617 Accession # Q9H156
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

SLITRK2 is a type I membrane protein belonging to the SLITRK family of neuronal proteins that modulate neurite outgrowth. The 600 amino acid residue extracellular domain of SLITRK2 has two conserved leucine-rich repeat domains with homology to SLIT. The 200 aa cytoplasmic domain also shares similarity to TRK neurotrophin receptor proteins. The extracellular domain of human SLITRK shares 98% amino acid sequence identity with the extracellular domains of rat, mouse and canine SLITRK2.

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