

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SLITRK-6 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 753826
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human SLITRK-6 Ile16-Ala604 Accession # Q9H5Y7
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

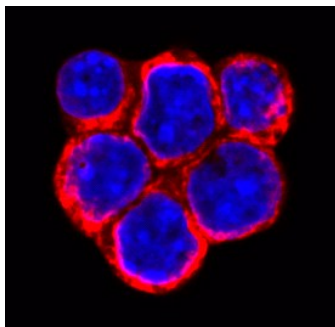
APPLICATIONS

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.

	Recommended Concentration	Sample
Immunocytochemistry	10 µg/mL	See Below

DATA

Immunocytochemistry



SLITRK6 in Raji Human Cell Line.
SLITRK6 was detected in immersion fixed Raji human Burkitt's lymphoma cell line using Mouse Anti-Human SLITRK6 Monoclonal Antibody (Catalog # MAB7317) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to plasma membrane. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

SLITRK6 (Slit and NTRK-like 6) is a 95 kDa (predicted) member of the SLITRK family of proteins. It is widely expressed in the embryo, including cells in limb bud mesenchyme, visceral organ primordia, cells of the dorsal thalamus, and cochlear plus vestibular sensory epithelium. In the ear, SLITRK6 is suggested to induce neurotrophin expression from cells, thus promoting sensory neuron survival and axon pathfinding. Mature human SLITRK6 is an 826 amino acid (aa) type I transmembrane protein. It contains a 593 aa extracellular domain (ECD) (aa 16-608) plus a 212 aa cytoplasmic region. The ECD possesses two LRR clusters, one that involves seven LRRs (aa 27-269), and a second that involves eight LRRs (aa 320-568). Over aa 16-604, human SLITRK6 shares 89% aa sequence identity with mouse SLITRK6.