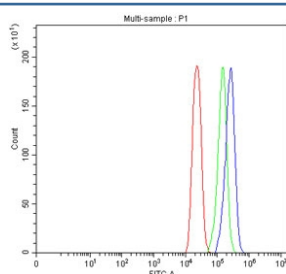


SLITRK1 Antibody / SLIT and NTRK-like protein 1 (RQ8780)

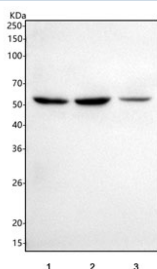
Catalog No.	Formulation	Size
RQ8780	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q96PX8
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This SLITRK1 antibody is available for research use only.



Flow cytometry testing of fixed human U-251 cells with SLITRK1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SLITRK1 antibody.



Western blot testing of human 1) U-87 MG, 2) U-251 and 3) U-2 OS cell lysate with SLITRK1 antibody. Predicted molecular weight ~78 kDa, observed here at ~55 kDa.

Description

SLITRK1 (SLIT and NTRK-like family, member 1) is a human gene that codes for a transmembrane and signalling protein that is part of the SLITRK gene family, which is responsible for synapse regulation and presynaptic differentiation in the brain. This gene encodes a member of the SLITRK protein family. Members of this family are integral membrane proteins that are characterized by two N-terminal leucine-rich repeat (LRR) domains and a C-terminal region that shares homology with trk neurotrophin receptors. However, the protein encoded by this gene lacks the region of homology to neurotrophin receptors. This protein is thought to be involved in neurite outgrowth. Mutations in this gene may be associated with Tourette syndrome. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the SLITRK1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids D22-D696) was used as the immunogen for the SLITRK1 antibody.

Storage

After reconstitution, the SLITRK1 Antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.