

Anti-SLIT and NTRK-like protein 5 Slitrk5 Antibody

Catalog Number: A10564

About SLITRK5

SLIT and NTRK-like family 5 (Slitrk5) is a member a protein family consisting of six homologous transmembrane proteins (Slitrk1-6) that share two conserved leucine-rich repeat domains in the extracellular domain and have significant homology to Slit, a secreted axonal growth-controlling protein. These proteins are also homologous to trk neurotrophin receptors in their intracellular domains. Expression of Slitrk proteins is highly restricted to neural and brain tumor tissues, but varies within the protein family. Like every other Slitrk protein except Slitrk1, overexpression of Slitrk5 inhibited neurite outgrowth in cultured neurons, suggesting that these proteins are involved in the control of neurite outgrowth.

Overview

Product Name	Anti-SLIT and NTRK-like protein 5 Slitrk5 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SLIT and NTRK-like protein 5 Slitrk5 Antibody (Catalog # A10564). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Slitrk5 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Slitrk5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O94991

Technical Details

Immunogen	Slitrk5 antibody was raised against a 14 amino acid synthetic peptide from near the center of human Slitrk5. The immunogen is located within amino acids 310 - 360 of Slitrk5.
Predicted Reactive Species	Bovine
Cross Reactivity	This antibody is predicted to have no cross-reactivity to other Slitrk proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Slitrk5 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

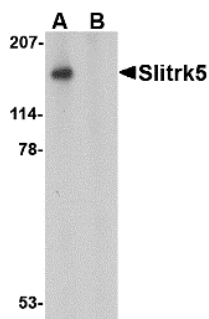
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

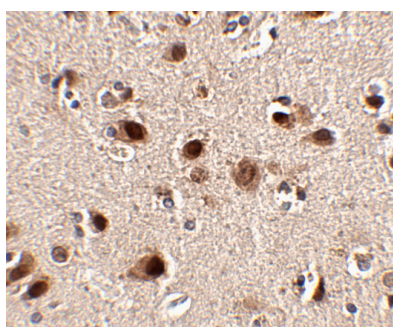
Slitrk5 antibody can be used for detection of Slitrk5 by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 5 ug/mL.

Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

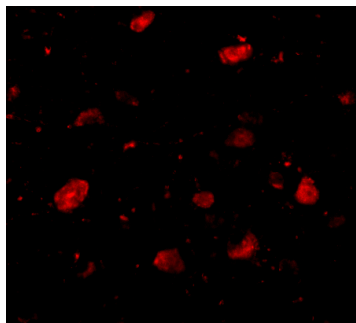
Anti-SLIT and NTRK-like protein 5 Slitrk5 Antibody (A10564) Images



Western blot analysis of Slitrk5 in 3T3 cell lysate with Slitrk5 antibody at 1 ug/mL in the (A) absence or (B) presence of blocking peptide.



Immunohistochemistry of Slitrk4 in human brain tissue with Slitrk4 antibody at 2.5 ug/mL.



Immunofluorescence of Slitrk5 in Human Brain cells with Slitrk5 antibody at 5 ug/mL.

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