

Anti-SLIT and NTRK-like protein 3 Slitrk3 Antibody

Catalog Number: A14176

About SLITRK3

SLIT and NTRK-like family 3 (Slitrk3) 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 Slitrk3 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 3 Slitrk3 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-SLIT and NTRK-like protein 3 Slitrk3 Antibody (Catalog # A14176). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Slitrk3 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Slitrk3 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	O94933

Technical Details

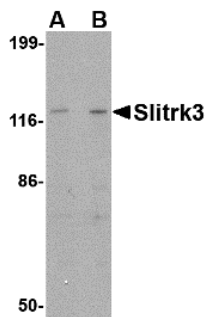
Immunogen	Slitrk3 antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human Slitrk3. The immunogen is located within amino acids 780 - 830 of Slitrk3.
Predicted Reactive Species	Bovine, Mouse, Rat
Cross Reactivity	This antibody is predicted to have no cross-reactivity to other Slitrk proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Slitrk3 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

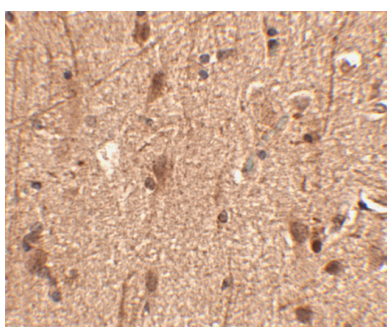
Slitrk2 antibody can be used for detection of Slitrk2 by Western blot at 0.25 and 0.5 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human 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.

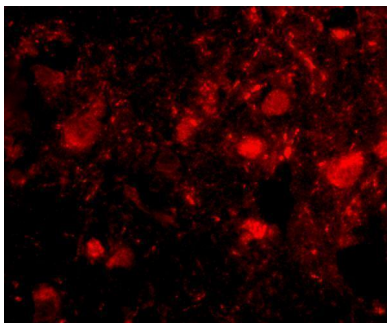
Anti-SLIT and NTRK-like protein 3 Slitrk3 Antibody (A14176) Images



Western blot analysis of Slitrk3 in SK-N-SH cell lysate with Slitrk3 antibody at (A) 0.25 and (B) 0.5 ug/mL.



Immunohistochemistry of Slitrk3 in human brain tissue with Slitrk3 antibody at 2.5 ug/mL



Immunofluorescence of slitrk3 in human brain tissue with slitrk3 antibody at 20 ug/mL.

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