

Anti-SLIT and NTRK-like protein 2 Slitrk2 Antibody

Catalog Number: A11967

About SLITRK2

SLIT and NTRK-like family 2 (Slitrk2) 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 family. For example, Slitrk2 is expressed primarily in neurons in the ventricular layer of the brain. Like every other Slitrk protein except Slitrk1, overexpression of Slitrk2 inhibited neurite outgrowth in cultured neurons. Deletion analysis indicated that the functional difference between Slitrk2 and Slitrk1 is within their intracellular domains. At least two isoforms of this protein are known to exist.

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Overview

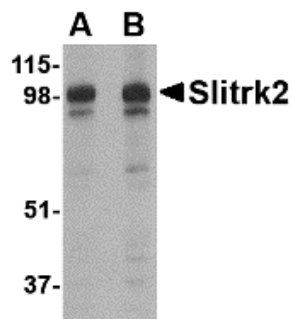
Product Name	Anti-SLIT and NTRK-like protein 2 Slitrk2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SLIT and NTRK-like protein 2 Slitrk2 Antibody (Catalog # A11967). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Slitrk2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Slitrk2 antibody can be stored at 4°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	Q9H156

Technical Details

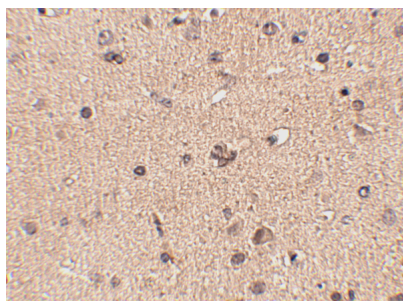
Immunogen	Slitrk2 antibody was raised against a 17 amino acid synthetic peptide from near the carboxy terminus of human Slitrk2. The immunogen is located within amino acids 770 - 820 of Slitrk2.
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Predicted Reactive Species	Bovine, Pig
Cross Reactivity	This antibody is predicted to have no cross-reactivity to other Slitrk proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Slitrk2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Slitrk2 antibody can be used for detection of Slitrk2 by Western blot at 1 - 2 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 rat 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.

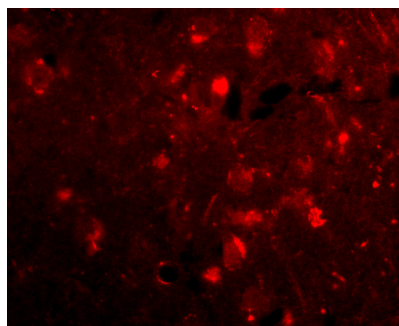
Anti-SLIT and NTRK-like protein 2 Slitrk2 Antibody (A11967) Images



Western blot analysis of Slitrk2 in rat brain tissue lysate with Slitrk2 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of Slitrk2 in human brain tissue with Slitrk2 antibody at 2.5 ug/mL.



Immunofluorescence of Slitrk2 in Human Brain cells with Slitrk2 antibody at 20 ug/mL.

[Anti-SLIT and NTRK-like protein 2 Slitrk2 Antibody](#)

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