

Slitrk2 Antibody

Catalog No: #24629

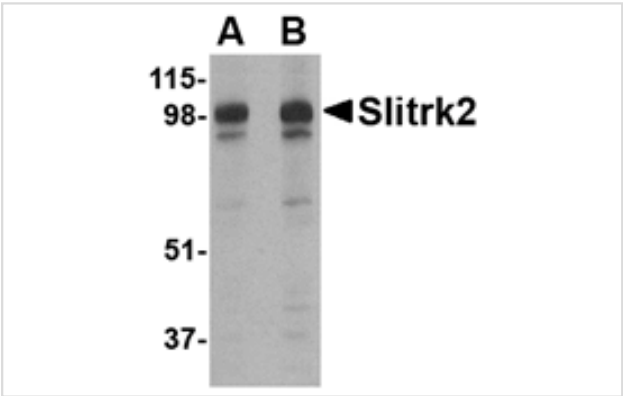


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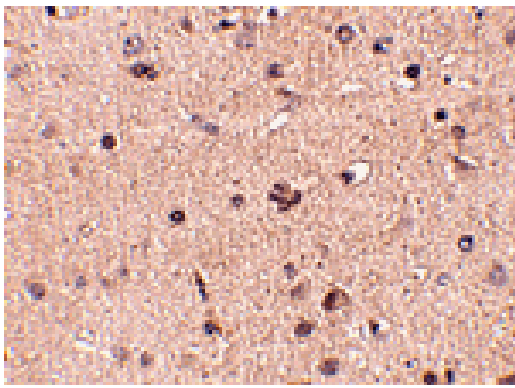
Description

Product Name	Slitrk2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	This antibody is predicted to have no cross-reactivity to other Slitrk proteins.
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide from near the carboxy terminus of human Slitrk2.
Target Name	Slitrk2
Other Names	SLIT and NTRK-like family 2
Accession No.	Q9H156
Uniprot	Q9H156
GeneID	84631;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

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.

Background

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.

Note: This product is for in vitro research use only