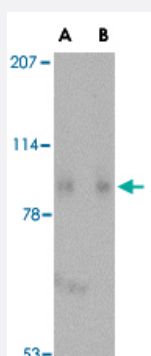


SLITRK1 polyclonal antibody

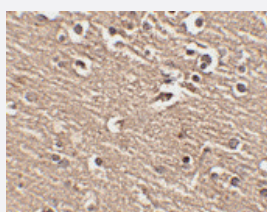
Catalog # PAB13327 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of SLITRK1 in human brain tissue lysate with SLITRK1 polyclonal antibody (Cat # PAB13327) at (A) 1 and (B) 2 ug/mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of SLITRK1 in human brain tissue with SLITRK1 polyclonal antibody (Cat # PAB13327) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SLITRK1.
Immunogen	A synthetic peptide corresponding to C-terminus 16 amino acids of human SLITRK1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of SLITRK1 in human brain tissue lysate with SLITRK1 polyclonal antibody (Cat # PAB13327) at (A) 1 and (B) 2 ug/mL .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of SLITRK1 in human brain tissue with SLITRK1 polyclonal antibody (Cat # PAB13327) at 2.5 ug/mL .

Gene Info — SLITRK1

Entrez GeneID	114798
Protein Accession#	NP_443142
Gene Name	SLITRK1
Gene Alias	FLJ54428, KIAA0918, KIAA1910, LRRC12, RP11-395N17.1
Gene Description	SLIT and NTRK-like family, member 1
Omim ID	137580 609678
Gene Ontology	Hyperlink
Gene Summary	Members of the SLITRK family, such as SLITRK1, are integral membrane proteins with 2 N-terminal leucine-rich repeat (LRR) domains similar to those of SLIT proteins (see SLIT1; MIM 603742). Most SLITRKs, but not SLITRK1, also have C-terminal regions that share homology with neurotrophin receptors (see NTRK1; MIM 191315). SLITRKs are expressed predominantly in neural tissues and have neurite-modulating activity (Aruga et al., 2003 [PubMed 14557068]).[supplied by OMIM]
Other Designations	OTTHUMP00000018546 leucine rich repeat containing 12 slit and trk like 1 protein slit and trk like gene 1

Publication Reference

- [Sequence variants in SLITRK1 are associated with Tourette's syndrome.](#)

Abelson JF, Kwan KY, O'Roak BJ, Baek DY, Stillman AA, Morgan TM, Mathews CA, Pauls DL, Rasin MR, Gunel M, Davis NR, Ercan-Sencicek AG, Guez DH, Spertus JA, Leckman JF, Dure LS 4th, Kurlan R, Singer HS, Gilbert DL, Farhi A, Louvi A, Lifton RP, Sestan N, State MW.

Science 2005 Oct; 310(5746):317.

- [Human SLITRK family genes: genomic organization and expression profiling in normal brain and brain tumor tissue.](#)

Aruga J, Yokota N, Mikoshiba K.

Gene 2003 Oct; 315:87.

- [Identification and characterization of Slitrk, a novel neuronal transmembrane protein family controlling neurite outgrowth.](#)

Aruga J, Mikoshiba K.

Molecular and Cellular Neurosciences 2003 Sep; 24(1):117.

Application: IF, Rat, Neuro2a cells, PC-12 cells

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)
- [Inversion](#)
- [Parkinson disease](#)
- [Tourette Syndrome](#)