



Rabbit Anti-SLITRK6 antibody

SL11960R

Product Name:	SLITRK6
Chinese Name:	神经突触相关蛋白SLITRK6抗体
Alias:	4832410J21Rik; MGC119595; MGC119596; MGC119597; OTTHUMP00000066012; SLIK6_HUMAN; SLIT and NTRK like family member 6; SLIT and NTRK like protein 6; SLIT and NTRK-like protein 6; Slit and trk like 6; Slit and trk like gene 6; SLITRK6; Slitrk6.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	92kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SLITRK6:201-300/841<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic α / β horseshoe fold, allowing it to accommodate several leucine residues within a tightly packed core. All LRR repeats contain a variable segment and a highly conserved

segment, the latter of which accounts for 11 or 12 residues of the entire LRR motif. SLITRK6 (SLIT and NTRK-like family, member 6) is an 841 amino acid single-pass type I membrane protein that contains 16 LRR repeats and belongs to the SLITRK family. Expressed at high levels in select brain tissue, as well as in both adult and fetal lung, SLITRK6 functions to suppress neurite outgrowth, playing a role in the regulation of neuronal function. Multiple isoforms of SLITRK6 exist due to alternative splicing events.

Function:

Suppresses neurite outgrowth.

Subcellular Location:

Membrane; Single-pass type I membrane protein

Tissue Specificity:

In adult brain, highly expressed in putamen with no expression in cerebral cortex. Expressed in adult and fetal lung and fetal liver. Also expressed at high levels in some brain tumors including medulloblastomas and primitive neuroectodermal tumors.

Similarity:

Belongs to the SLITRK family.
Contains 11 LRR (leucine-rich) repeats.
Contains 2 LRRCT domains.
Contains 2 LRRNT domains.

SWISS:

Q9H5Y7

Gene ID:

84189

Database links:

[Entrez Gene: 84189](#)Human

[Entrez Gene: 239250](#)Mouse

[Entrez Gene: 290467](#)Rat

[Omim: 609681](#)Human

[SwissProt: Q9H5Y7](#)Human

[SwissProt: Q8C110](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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