

SLITRK5 Rabbit pAb

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Catalog # AP54686

Product Information

Application	WB
Primary Accession	O94991
Reactivity	Human
Predicted	Rat, Pig, Dog, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	107486
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLITRK5
Epitope Specificity	301-400/958
Isotype	IgG
Purity	affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Membrane; Single-pass type I membrane protein.

Important Note This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic $\square$ 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. SLITRK5 (SLIT and NTRK-like family, member 5), also known as LRRC11 (leucine-rich repeat-containing protein 11), is a 958 amino acid single-pass type I membrane protein that contains 16 LRR repeats and belongs to the SLITRK family. Expressed at high levels in the cerebral cortex, but also present in areas of the spinal cord and medulla, SLITRK5 functions to suppress neurite outgrowth, thereby playing a regulatory role in neuronal function. The gene encoding SLITRK5 maps to human chromosome 13, which houses over 400 genes, such as BRCA2 and RB1, and comprises nearly 4% of the human genome. Trisomy 13, also known as Patau syndrome, is deadly and the few who survive past one year suffer from permanent neurologic defects, difficulty eating and vulnerability to serious respiratory infections.

Additional Information

Gene ID	26050
Other Names	SLIT and NTRK-like protein 5, Leucine-rich repeat-containing protein 11, SLITRK5, KIAA0918, LRRC11
Dilution	WB=1:500-2000

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

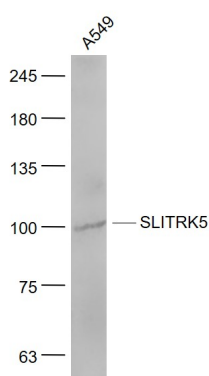
Protein Information

Name	SLITRK5
Synonyms	KIAA0918, LRRC11
Function	Suppresses neurite outgrowth.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Expressed predominantly in the cerebral cortex of the brain but also at low levels in the spinal cord and medulla

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Images



Sample:
A549(Human) Cell Lysate at 30 ug
Primary: Anti- SLITRK5 (AP54686) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 103 kD
Observed band size: 100 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.