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SLITRK4 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16537b

Product Information

Application	WB, E
Primary Accession	Q8IW52
Other Accession	Q810B8, NP_775101.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36061
Calculated MW	94331
Antigen Region	748-777

Additional Information

Gene ID	139065
Other Names	SLIT and NTRK-like protein 4, SLITRK4
Target/Specificity	This SLITRK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 748-777 amino acids from the C-terminal region of human SLITRK4.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SLITRK4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SLITRK4
Function	It is involved in synaptogenesis and promotes synapse differentiation (PubMed:27812321). Suppresses neurite outgrowth (By similarity).

Cellular Location	Membrane; Single-pass type I membrane protein. Cell membrane
Tissue Location	Expressed in the cerebral cortex of the brain and at higher levels in some astrocytic brain tumors such as astrocytomas, glioblastomas and primitive neuroectodermal tumors

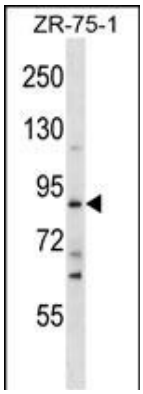
Background

This gene encodes a transmembrane protein belonging to the the SLITRK family. These family members include two N-terminal leucine-rich repeat domains similar to those found in the axonal growth-controlling protein SLIT, as well as C-terminal regions similar to neurotrophin receptors. Studies of an homologous protein in mouse suggest that this family member functions to suppress neurite outgrowth. Alternative splicing results in multiple transcript variants.

References

Aruga, J., et al. Gene 315, 87-94 (2003) :
Aruga, J., et al. Mol. Cell. Neurosci. 24(1):117-129(2003)

Images



SLITRK4 Antibody (C-term) (Cat. #AP16537b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the SLITRK4 antibody detected the SLITRK4 protein (arrow).