SLITRK6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLITRK6, Polyclonal Antibody
Full Product Name	Anti-SLITRK6 Antibody, Rabbit Polyclonal
Product Gene Name	anti-SLITRK6 antibody
Product Synonym Names	SLITRK6 Antibody, Rabbit PAb, Antigen Affinity Purified; SLIT and NTRK like family member 6; Anti-DFNMYP Antibody; Anti-SLITRK6 Antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; 0.2um filtered solution in PBS
Purity/Purification	Protein A & Antigen Affinity
Specificity	Human SLITRK6
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.
OMIM	phenotype 609681
3D Structure	ModBase 3D Structure for Q9H5Y7
Immunogen	Recombinant Human SLITRK6 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human SLITRK6 (rh SLITRK6). SLITRK6 specific IgG was purified by Human SLITRK6 affinity chromatography.
Applications Tested/Suitable for anti-SLITRK6 antibody	ELISA (EIA)
Application Notes for anti-SLITRK6 antibody	ELISA: 1:5000-1:10,000
Related Product Information for anti-SLITRK6 antibody	SLITRK6 belongs to the SLITRK family. Members of this family share two conserved leucine-rich repeat domains in the extracellular domain. SLITRK6 contains 11 LRR (leucine-rich) repeats, 2 LRRCT domains and 2 LRRNT domains. Expression of SlITRK proteins is highly restricted to neural and brain tumor tissues, but varies within the protein family. SLITRK6 is highly expressed in putamen with no expression in cerebral cortex. It also can be detected in adult and fetal lung and fetal liver. It can suppress neurite outgrowth. In adult brain, SLITRK6 has a critical role in the development of the inner ear neural circuit.
Product References and Citations for anti-SLITRK6 antibody	Strausberg RL, et al. (2003) Generation and initial analysis of more than 15, 000 full-length human and mouse cDNA sequences. Proc Natl Acad Sci. 99(26):16899-903.Wiemann S, et al. (2001) Toward a Catalog of Human Genes and Proteins: Sequencing and Analysis of 500 Novel Complete Protein Coding Human cDNAs. Genome Res. 11(3):422-35.Hartley JL, et al. (2001) DNA Cloning Using In Vitro Site-Specific Recombination. Genome Res. 10 (11):1788-95.
Other Notes	Small volumes of anti-SLITRK6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for SLITRK6 purchase	MBS8107188 is an antibody targeting SLITRK6. Also known as Anti-SLITRK6 Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLITRK6. It may not necessarily be applicable to this product.

NCBI GI #	59803110
NCBI GeneID	84189
NCBI Accession #	Q9H5Y7.3
UniProt Primary Accession #	Q9H5Y7
UniProt Secondary Accession #	Q495Q0; Q6AW93; Q9HAA8; Q9NT60; A8K9S8
UniProt Related Accession #	Q9H5Y7
NCBI Official Full Name	SLIT and NTRK-like protein 6
NCBI Official Synonym Full Names	SLIT and NTRK-like family, member 6
NCBI Official Symbol	SLITRK6
NCBI Official Synonym Symbols	DFNMYP
UniProt Protein Name	SLIT and NTRK-like protein 6
Protein Family	SLIT and NTRK-like protein
UniProt Gene Name	SLITRK6
UniProt Entry Name	SLIK6_HUMAN
NCBI Protein Information	SLIT and NTRK-like protein 6; 4832410J21Rik; slit and trk like gene 6
NCBI Summary for SLITRK6	This gene encodes a member of the SLITRK protein family. Members of this family are integral membrane proteins that are characterized by two N-terminal leucine-rich repeat (LRR) domains and a C-terminal region that shares homology with trk neurotrophin receptors. This protein functions as a regulator of neurite outgrowth required for normal hearing and vision. Mutations in this gene are a cause of myopia and deafness. [provided by RefSeq, Dec 2014]
UniProt Comments for SLITRK6	SLITRK6: Suppresses neurite outgrowth. Belongs to the SLITRK family. Protein type: Cell surface; Membrane protein, integral Chromosomal Location of Human Ortholog: 13q31.1 Cellular Component: cell surface; integral to plasma membrane Biological Process: lens development in camera-type eye; vestibulocochlear nerve development; sensory perception of sound; synaptogenesis; startle response; axonogenesis; visual perception; adult locomotory behavior; multicellular organism growth; auditory receptor cell morphogenesis; auditory behavior; linear vestibuloocular reflex Disease: Deafness And Myopia
Research Articles on SLITRK6	**1.** SLITRK6 gene nonsense mutation is associated with progressive auditory neuropathy in humans.
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