Product Name: SH3TC2 Rabbit Polyclonal Antibody
Catalog #: APRab17849

Summary

Production Name	SH3TC2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	SH3TC2
Alternative Names	SH3TC2; KIAA1985; PP12494; SH3 domain and tetratricopeptide repeat-containing protein 2
Gene ID	79628.0
SwissProt ID	Q8TF17.The antiserum was produced against synthesized peptide derived from human SH3TC2. AA range:390-430

Application

Dilution Ratio	IHC 1:100-1:300 ELISA: 1:40000
Molecular Weight	

Background

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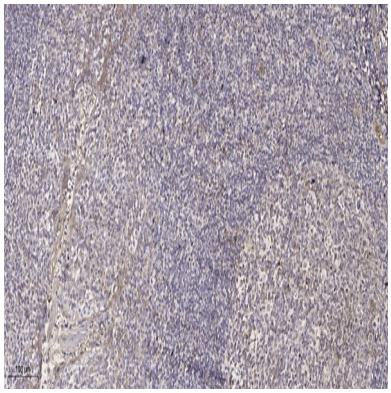
This gene encodes a protein with two N-terminal Src homology 3 (SH3) domains and 10 tetratricopeptide repeat (TPR) motifs, and is a member of a small gene family. The gene product has been proposed to be an adapter or docking molecule. Mutations in this gene result in autosomal recessive Charcot-Marie-Tooth disease type 4C, a childhood-onset neurodegenerative disease characterized by demyelination of motor and sensory neurons. [provided by RefSeq, Jul 2008],disease:Defects in SH3TC2 are the cause of Charcot-Marie-Tooth disease type 4C (CMT4C) [MIM:601596]. CMT4C is a recessive form of Charcot-Marie-Tooth disease, the most common inherited disorder of the peripheral nervous system. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology: primary peripheral demyelinating neuropathy and primary peripheral axonal neuropathy. Demyelinating CMT neuropathies are characterized by severely reduced nerve conduction velocities (less than 38 m/sec), segmental demyelination and remyelination with onion bulb formations on nerve biopsy, slowly progressive distal muscle atrophy and weakness, absent deep tendon reflexes, and hollow feet. By convention, autosomal recessive forms of demyelinating Charcot-Marie-Tooth disease are designated CMT4. CMT4C is characterized by onset in childhood, early-onset scoliosis and a distinct Schwann cell pathology.,similarity:Contains 1 SH3 domain.,similarity:Contains 8 TPR repeats.,tissue specificity:Strongly expressed in brain and spinal cord. Expressed at equal level in spinal cord and sciatic nerve. Weakly expressed in striated muscle.,

Research Area

Image Data



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200（4° overnight）. 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200（room temperature, 30min）.

Note

For research use only.