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Syntaxin 1A + Syntaxin 1B Rabbit pAb

Catalog # AP97874

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P61266
Other Accession	P61266
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33245
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Syntaxin 1A + Syntaxin 1B
Epitope Specificity	201-288/288
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SIMILARITY	Belongs to the syntaxin family. Contains 1 t-SNARE coiled-coil homology domain.
SUBUNIT	Interacts with OTOF. Interacts with SYT6 and SYT8; the interaction is Ca(2+)-dependent.
Post-translational modifications	Phosphorylated by CK2.
DISEASE	Generalized epilepsy with febrile seizures plus 9 (GEFSP9) [MIM:616172]: An autosomal dominant neurologic disorder characterized by febrile and/or afebrile seizures manifesting in early childhood. Seizure are variable and include generalized tonic-clonic, atonic, myoclonic, complex partial, and absence types. Most patients have remission of seizures later in childhood with no residual neurologic deficits. Rarely, patients may show mild developmental delay or mild intellectual disabilities. {ECO:0000269|PubMed:25362483}. Note=The disease is caused by mutations affecting the gene represented in this entry.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene belongs to a family of proteins thought to play a role in the exocytosis of synaptic vesicles. Vesicle exocytosis releases vesicular contents and is important to various cellular functions. For instance, the secretion of transmitters from neurons plays an important role in synaptic transmission. After exocytosis, the membrane and proteins from the vesicle are retrieved from the plasma membrane through the process of endocytosis. Mutations in this gene have been identified as one cause of fever-associated epilepsy syndromes. A possible link between this gene and Parkinson's disease has also been suggested. [provided by RefSeq, Jan 2015].

Additional Information

Gene ID	112755
Other Names	GEFSP9; STX1B1; STX1B2; HPC-1; P35-1; STX1; SYN1A; Stx1bl; Syn1b; Stx2; STX1B_BOVIN; STX1B; Synaptocanalin I; Syntaxin-1B2; STX1B_HUMAN; Syntaxin-1B1; STX1B_MOUSE; STX1B_RAT; P35B; STX1B_SHEEP; syntaxin 1B; syntaxin 1B1; syntaxin 1B2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	STX1B
Synonyms	STX1B1, STX1B2
Function	Potentially involved in docking of synaptic vesicles at presynaptic active zones. May mediate Ca(2+)-regulation of exocytosis acrosomal reaction in sperm (By similarity).
Cellular Location	[Isoform 1]: Membrane; Single-pass type IV membrane protein

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