

Rabbit Synaptotagmin Polyclonal Antibody | anti-SYT5 antibody

Synaptotagmin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328979	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Dog(100%)	ELISA

PRODUCT SYNONYMS

Synaptotagmin; Polyclonal Antibody; Synaptotagmin Antibody; Synaptotagmin 5; Synaptotagmin IX; Synaptotagmin V; Synaptotagmin-5; Syt5; SYT5_HUMAN; SytV; anti-SYT5 antibody

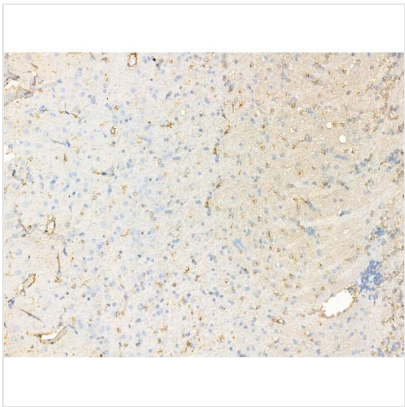
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Synaptotagmin Antibody detects endogenous levels of total Synaptotagmin.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	382
Applicable Applications for anti-SYT5 antibody	ELISA
Immunogen	A synthesized peptide derived from human Synaptotagmin, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

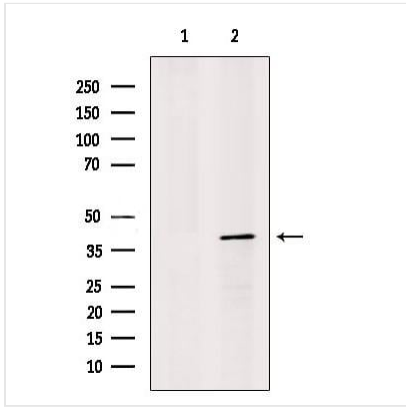
IMAGES



IHC (Immunohistochemisry)
AAA328979 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)
AAA328979 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Rat brain, using Synaptotagmin Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SYT5 antibody	Function: May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain or may serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis. Regulates the Ca(2+)-dependent secretion of norepinephrine in PC12 cells. Required for export from the endocytic recycling compartment to the cell surface (By similarity).
	Subcellular Location: Cytoplasmic vesicle>Secretory vesicle>Synaptic vesicle membrane>Single-pass membrane protein. Recycling endosome membrane>Single-pass membrane protein. Note: In mast cells, localizes to the endocytic recycling compartment.
	Subunit Structure: Homodimer (By similarity). Interacts with both alpha- and beta-tubulin (By similarity).
	Similarity: Belongs to the synaptotagmin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	663071138
NCBI GeneID	6861
NCBI Accession #	NP_001284703.1
NCBI GenBank Nucleotide #	NP_001284703.1

UniProt Accession #	O00445
Molecular Weight	Observed Molecular Weight: (Observed)42kD. Predicted Molecular Weight: (Calculated)43kDa.
NCBI Official Full Name	synaptotagmin-5 isoform 2
NCBI Official Synonym Full Names	synaptotagmin 5
NCBI Official Symbol	SYT5
NCBI Protein Information	synaptotagmin-5
UniProt Protein Name	Synaptotagmin-5
UniProt Gene Name	SYT5
UniProt Synonym Gene Names	SytV
UniProt Entry Name	SYT5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/synaptotagmin-antibody-elisa/328979>