

Rabbit SYT10 Polyclonal Antibody | anti-SYT10 antibody

SYT10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328191	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

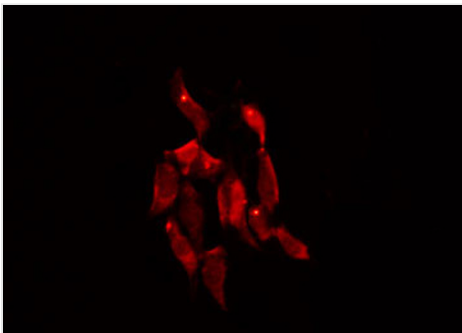
PRODUCT SYNONYMS

SYT10; Polyclonal Antibody; SYT10 Antibody; Synaptotagmin X; Synaptotagmin-10; SYT10_HUMAN; SytX; anti-SYT10 antibody

PRODUCT SPECIFICATIONS

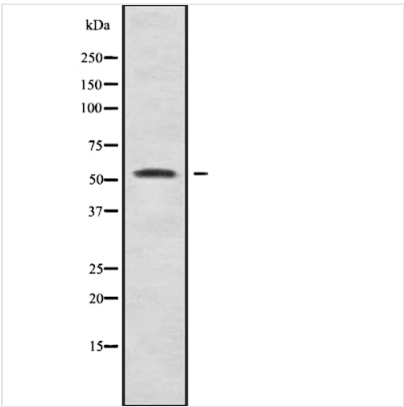
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SYT10 antibody detects endogenous levels of total SYT10
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	523
Applicable Applications for anti-SYT10 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SYT10
Tissue Specificity	Expressed only in pancreas, lung and kidney.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Zebrafish (89%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA328191 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis SYT10 using COS7 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-SYT10 antibody

Function: Ca2+ sensor specifically required for the Ca2+-dependent exocytosis of secretory vesicles containing IGF1 in neurons of the olfactory bulb. Exocytosis of IGF1 is required for sensory perception of smell. Not involved in Ca2+-dependent synaptic vesicle exocytosis (By similarity). Acts through Ca2+ and phospholipid binding to the C2 domain: Ca2+ induces binding of the C2-domains to phospholipid membranes and to assembled SNARE-complexes; both actions contribute to triggering exocytosis (By similarity).
Subunit Structure: Homodimer; disulfide-linked via the cysteine motif. Can also form heterodimers with SYT3, SYT6, SYT7 and SYT9.
Similarity: The cysteine motif mediates homo-or heterodimer formation via formation of disulfide bonds. The first C2 domain mediates Ca2+-dependent phospholipid binding. Belongs to the synaptotagmin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	39752671
NCBI GeneID	341359
NCBI Accession #	NP_945343.1
NCBI GenBank Nucleotide #	NM_198992.3
UniProt Accession #	Q6XYQ8; Q495U2
Molecular Weight	Observed: 59 kDa Predicted: 60 kDa
NCBI Official Full Name	synaptotagmin-10
NCBI Official Synonym Full Names	synaptotagmin 10
NCBI Official Symbol	SYT10
NCBI Protein Information	synaptotagmin-10
UniProt Protein Name	Synaptotagmin-10
UniProt Gene Name	SYT10
UniProt Synonym Gene Names	SytX

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.