



Rabbit Anti-Amisyn antibody

SL11039R

Product Name:	Amisyn
Chinese Name:	突触融合Binding protein6抗体
Alias:	Amisyn; HSPC156; STXB6_HUMAN; STXBP6; Syntaxin binding protein 6; Syntaxin-binding protein 6.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	24kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Amisyn:1-100/210
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	Amisyn is a mostly cytosolic protein related to Tomosyn which plays an important role in SNARE complex assembly. Amisyn contains a v-SNARE coiled coil homology domain that binds to Syntaxin 1A and weakly to Syntaxin 4. Three isoforms exist for Amisyn. Isoform 1 is the full length protein, isoform 2 has a different amino acid sequence between residues 204-210 and isoform 3 is missing amino acids 1-102 and contains a different sequence for amino acids 103-150. Amisyn lacks a transmembrane

domain and therefore is unable to assemble into a functional, membrane-anchored SNARE complex. This suggests that Amisyn may instead be acting to maintain SNARE conformation and facilitate the binding of VAMP-2. Amisyn can inhibit exocytosis independent of Syntaxin binding.

Function:

Forms non-fusogenic complexes with SNAP25 and STX1A and may thereby modulate the formation of functional SNARE complexes and exocytosis.

Subunit:

Part of a ternary complex containing SNAP25 and STX1A that can be dissociated by NAPA and NSF. Interacts with STX4A.

Subcellular Location:

Cytoplasm. Membrane.

Tissue Specificity:

Detected at low levels in brain, and at very low levels in heart, adrenal gland, testis, liver and kidney.

Similarity:

Contains 1 v-SNARE coiled-coil homology domain.

SWISS:

Q8NFX7

Gene ID:

29091

Database links:

[Entrez Gene: 29091](#)Human

[Entrez Gene: 217517](#)Mouse

[Entrez Gene: 362734](#)Rat

[Omim: 607958](#)Human

[SwissProt: Q8NFX7](#)Human

[SwissProt: Q8R3T5](#)Mouse

[Unigene: 508958](#)Human

[Unigene: 285400](#)Mouse

[Unigene: 11962](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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