



Rabbit Anti-Synaptotagmin-2 antibody

SL1136R

Product Name:	Synaptotagmin-2
Chinese Name:	突触Binding protein相关基因2抗体
Alias:	Synaptotagmin 2; Synaptotagmin II; Synaptotagmin2; SynaptotagminII; SYT 2; Syt II; SytII.Synaptotagmin II; SYNII; Syt2; RATSYNII; SYNII; FLJ42519; KIAA4194; LOC100127887; mKIAA4194; R74640; RATSYNII; SYNAPTOTAGMIN 2; SYT2; SytII; SYT2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	46kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human synaptotagmin-2:285-380/419
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:	Synaptotagmins, like SYT2, are integral membrane proteins of synaptic vesicles thought to serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis (Hilbush and Morgan, 1994 [PubMed 8058779]).[supplied by OMIM]

Subunit:

Homotetramer. Interacts with stonin 2. Interacts with SCAMP5.

Subcellular Location:

Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass membrane protein. Cytoplasmic vesicle, secretory vesicle, chromaffin granule membrane; Single-pass membrane protein.

Similarity:

Belongs to the synaptotagmin family.
Contains 2 C2 domains.

SWISS:

Q8N9I0

Gene ID:

127833

Database links:

[Entrez Gene: 127833](#)Human

[Entrez Gene: 20980](#)Mouse

[Entrez Gene: 24805](#)Rat

[Omim: 600104](#)Human

[SwissProt: Q8N9I0](#)Human

[SwissProt: P46097](#)Mouse

[SwissProt: P29101](#)Rat

[Unigene: 25422](#)Human

[Unigene: 5102](#)Mouse

[Unigene: 88574](#)Rat

Important Note:

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