

Rabbit Anti-Synaptotagmin-2/Cy5 Conjugated antibody

SL1136R-Cy5

Product Name	Anti-Synaptotagmin-2/Cy5
Chinese Name	Cy5 标记的突触 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.
Research Area	Cell biology Neurobiology Binding protein
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	46kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human synaptotagmin-2 C-terminus
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: 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.

Database links:

[Entrez Gene: 127833](#) Human

[Entrez Gene: 20980](#) Mouse

[Entrez Gene: 24805](#) Rat

[Omim: 600104](#) Human

[SwissProt: Q8N910](#) 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.