

Datasheet for ABIN350917
anti-SYT2 antibody (N-Term)



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Overview

Quantity:	500 µg
Target:	SYT2
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This SYT2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from the n-terminal region of human Synaptotagmin-2 (Synaptotagmin II, SytII, SYT2) conjugated to an immunogenic carrier protein was used as the antigen. The peptide is homologous in rat and mouse.
Isotype:	IgG
Specificity:	Specific for SYTII.
Cross-Reactivity:	Human, Mouse, Rat
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	IgG

Target Details

Target:	SYT2
Alternative Name:	Synaptotagmin 2 (SYT2 Products)
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. FUNCTION: May have a regulatory role in the membrane interactions during trafficking of synaptic vesicles at the active zone of the synapse. It binds acidic phospholipids with a specificity that requires the presence of both an acidic head group and a diacyl backbone. SUBUNIT: Homotetramer. Interacts with stonin 2. SUBCELLULAR LOCATION: Cytoplasmic vesicle, secretory vesicle, synaptic vesicle. Cytoplasmic vesicle, secretory vesicle, chromaffin granule. Note: Synaptic vesicles and chromaffin granules.,Synaptic Vesicle Traffic,Synaptotagmin II, SytII, SYT2
UniProt:	Q8N9I0
Pathways:	Synaptic Vesicle Exocytosis

Application Details

Application Notes:	IHC, WB. A concentration of 10-50 µg/ml is recommended. The optimal concentration should be determined by the end user. Not yet tested in other applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.
Expiry Date:	12 months