

Datasheet for ABIN2788086

anti-Synaptotagmin V antibody (Middle Region)**1** Image[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Synaptotagmin V (SYT5)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Synaptotagmin V antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SYT5
Sequence:	YLLPDKRRRY ETKVHRQTLN PHFGETFAFK VPYVELGGRV LVMAVYDFDR
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 93%, Mouse: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against SYT5. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Synaptotagmin V (SYT5)
Alternative Name:	SYT5 (SYT5 Products)
Background:	Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by

Target Details

cytoplasmic repeats related to protein kinase C (see MIM 176960) regulatory (C2) domains, which are thought to bind calcium. Synaptotagmins may act both as negative regulators of vesicle fusion, allowing fusion in the presence of calcium, and as calcium receptors or sensor molecules (summary by Hudson and Birnbaum, 1995 [PubMed 7597049]).

Alias Symbols: -

Protein Interaction Partner: POLR2E, NRXN1, SYT3, SYT5, RAB1A,

Protein Size: 386

Molecular Weight: 43 kDa

Gene ID: 6861

NCBI Accession: [NM_003180](#), [NP_003171](#)

UniProt: [O00445](#)

Pathways: [Synaptic Vesicle Exocytosis](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 386 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

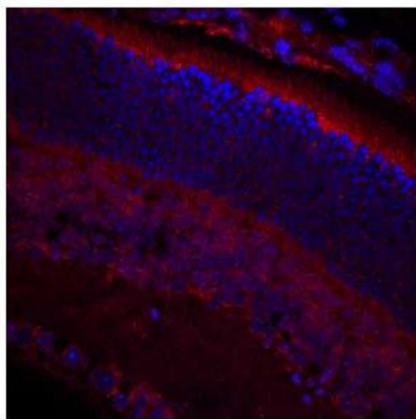
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

SYT5



See Immunohistochemistry 1 Data for more information.

Immunohistochemistry

Image 1. Sample Type: complete mouse retina sections

Red: Primary

Blue: DAPI

Primary Dilution: 1:200

Secondary Antibody: Goat anti-Rabbit AF568 IgG(H+L)

Secondary Dilution: 1:200

Image Submitted by: David Zenisek

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