

## Product datasheet for **TA342628**

### Synaptotagmin V (SYT5) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Mouse, Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-SYT5 antibody: synthetic peptide directed towards the middle region of human SYT5. Synthetic peptide located within the following region: YLLPDKRRRYETKVHRQTLNPHFGETF <del>FAFKVPYVELGGRVLVMAVYDFDR</del>
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43 kDa
Gene Name:	synaptotagmin 5
Database Link:	<a href="#">NP_003171</a> <a href="#">Entrez Gene 53420 Mouse</a> <a href="#">Entrez Gene 6861 Human</a> <a href="#">O00445</a>
Background:	Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by 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]).
Synonyms:	synaptotagmin 5; synaptotagmin V

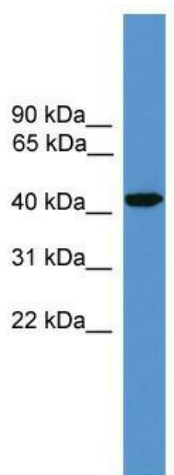


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**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Mouse: 100%; Guinea pig: 100%; Human: 93%; Bovine: 93%

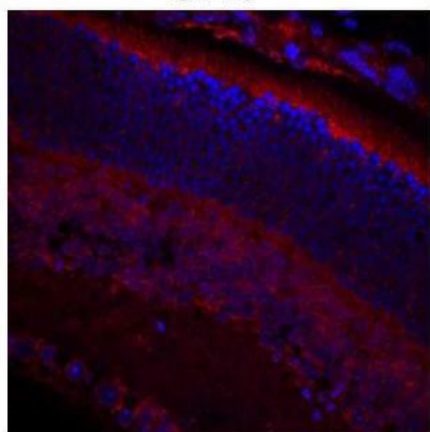
**Protein Families:** Secreted Protein, Transmembrane

**Product images:**



WB Suggested Anti-SYT5 Antibody Titration: 1 ug/ml; Positive Control: Fetal kidney lysate

**SYT5**



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; Yale University