

## Product datasheet for **TA342629**

### **SYT12 Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	The immunogen for anti-SYT12 antibody: synthetic peptide directed towards the N terminal of human SYT12. Synthetic peptide located within the following region: AEAREKRVPAWNAQRASTRGPPSRKGSLSIEDTFESISLGPLELMGREL
<b>Formulation:</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	46 kDa
<b>Gene Name:</b>	synaptotagmin 12
<b>Database Link:</b>	<a href="#">NP_808878</a> <a href="#">Entrez Gene 91683 Human</a> <a href="#">Q8IV01</a>
<b>Background:</b>	This gene is a member of the synaptotagmin gene family and encodes a protein similar to other family members that mediate calcium-dependent regulation of membrane trafficking in synaptic transmission. Studies of the orthologous gene in rat have shown that the encoded protein selectively modulates spontaneous synaptic-vesicle exocytosis and may also be involved in regulating calcium independent secretion in nonneuronal cells. Alternative splicing results in multiple transcript variants. The gene has previously been referred to as synaptotagmin XI but has been renamed synaptotagmin XII to be standard with mouse and rat official nomenclature.



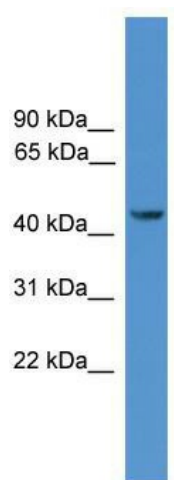
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**Synonyms:** SYT11; sytXII

**Note:** Immunogen Sequence Homology: Pig: 100%; Human: 100%; Dog: 93%; Horse: 93%; Bovine: 93%; Rabbit: 93%; Guinea pig: 92%; Rat: 86%; Mouse: 86%

**Protein Families:** Secreted Protein, Transmembrane

**Product images:**



WB Suggested Anti-SYT12 Antibody; Titration: 1.0 ug/ml; Positive Control: PANC1 Whole Cell SYT12 is strongly supported by BioGPS gene expression data to be expressed in Human PANC1 cells