

## Product datasheet for **TA382256S**

### Synaptotagmin 4 (SYT4) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC/IF, IHC, WB
Recommended Dilution:	WB, 1:500 - 1:1000 IHC-P, 1:50 - 1:200 IF/ICC, 1:50 - 1:200 ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	48kDa
Gene Name:	synaptotagmin 4
Database Link:	<a href="#">Entrez Gene 6860 Human</a> <a href="#">Q9H2B2</a>



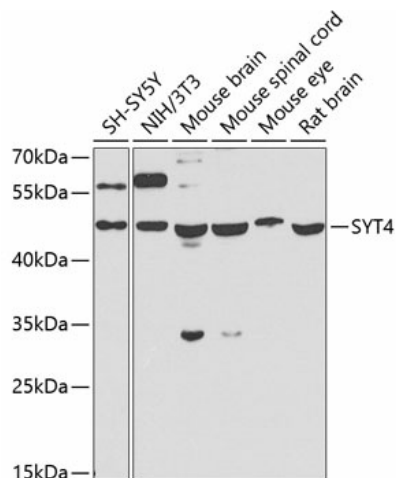
[View online »](#)

**Background:**

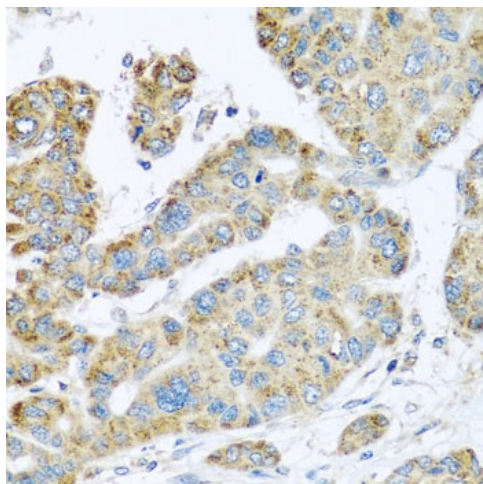
Predicted to enable several functions, including calcium ion binding activity; phospholipid binding activity; and syntaxin binding activity. Involved in negative regulation of catecholamine secretion and positive regulation of dendrite extension. Predicted to be located in several cellular components, including microvesicle; perinuclear region of cytoplasm; and secretory vesicle. Predicted to be active in several cellular components, including axon; exocytic vesicle; and glutamatergic synapse. Predicted to be integral component of neuronal dense core vesicle membrane.

**Synonyms:**

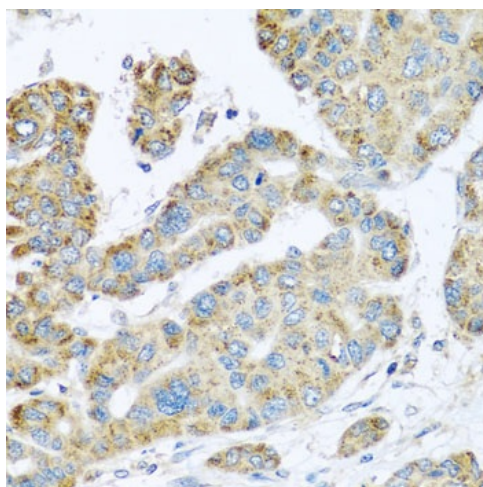
HsT1192; KIAA1342; SytIV

**Product images:**


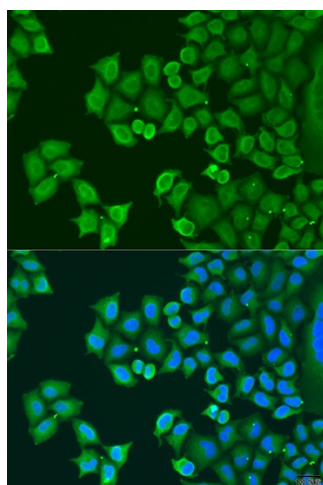
Western blot analysis of various lysates



Immunohistochemistry analysis of paraffin-embedded Human stomach using SYT4 Rabbit pAb ([TA382256]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer using SYT4 Rabbit pAb ([TA382256]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of U2OS cells using SYT4 Rabbit pAb ([TA382256]) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.