

Product datasheet for TA382256

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Synaptotagmin 4 (SYT4) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ICC/IF, IHC, WB

Recommended Dilution: WB,1:500 - 1:2000

IHC,1:50 - 1:200 IF,1:50 - 1:200

Reactivity: Human, Mouse, Rat

Modifications: Unmodified

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 38-190 of

human SYT4 (NP_065834.1).

Formulation: Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

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: 46kDa/47kDa

Gene Name: synaptotagmin 4

Database Link: Entrez Gene 6860 Human

Q9H2B2

Background: Synaptotagmin family member which does not bind Ca(2+ (By similarity. Involved in neuronal

dense core vesicles (DCVs mobility through its interaction with KIF1A. Upon increased

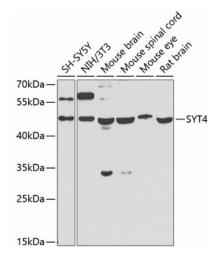
neuronal activity, phosphorylation by MAPK8/JNK1 destabilizes the interaction with KIF1A and captures DCVs to synapses (By similarity. Plays a role in dendrite formation by melanocytes.

Synonyms: HsT1192; KIAA1342; SytIV

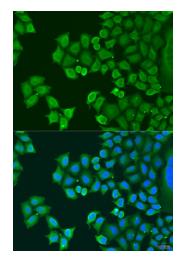




Product images:



Western blot analysis of extracts of various cell lines, using SYT4 antibody (TA382256) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 90s.



Immunofluorescence analysis of U2OS cells using SYT4 antibody (TA382256) at dilution of 1:100. Blue: DAPI for nuclear staining.