Datasheet for ABIN6148791

anti-SYT4 antibody (AA 38-190)

4 Images

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Overview

Quantity:	100 µL
Target:	SYT4
Binding Specificity:	AA 38-190
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 38-190 of human SYT4 (NP_065834.1).
Sequence:	CQRKSSKSNK TPPYKFVHVL KGVDIYPENL NSKKKFGADD KNEVKNKPAV PKNSLHLDLE KRDLNGNFPK TNLKPGSPSD LENATPKLFL EGEKESVSPE SLKSSTSLTS EEKQEKLGTL FFSLEYNFER KAFVVNIKEA RGLPAMDEQS MTS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	SYT4

Target Details

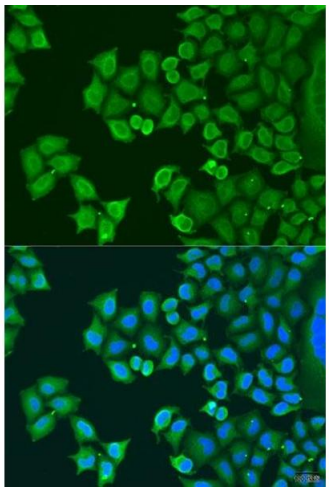
Alternative Name:	SYT4 (SYT4 Products)
Background:	Synaptotagmin family member which does not bind Ca(2+ (By similarity. Involved in neuronal dense core vesicles (DCVs mobility through its interaction with KIF1A. Upon increased neuronal activity, phosphorylation by MAPK8/JNK1 destabilizes the interaction with KIF1A and captures DCVs to synapses (By similarity. Plays a role in dendrite formation by melanocytes.,SYT4,HsT1192,Signal Transduction,Neuroscience,SYT4
Molecular Weight:	46 kDa/47 kDa
Gene ID:	6860
UniProt:	Q9H2B2
Pathways:	Synaptic Membrane, Synaptic Vesicle Exocytosis

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

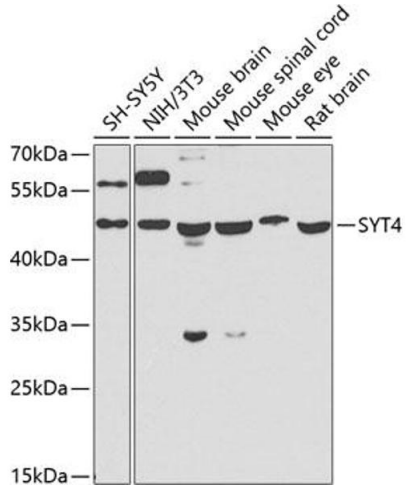
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



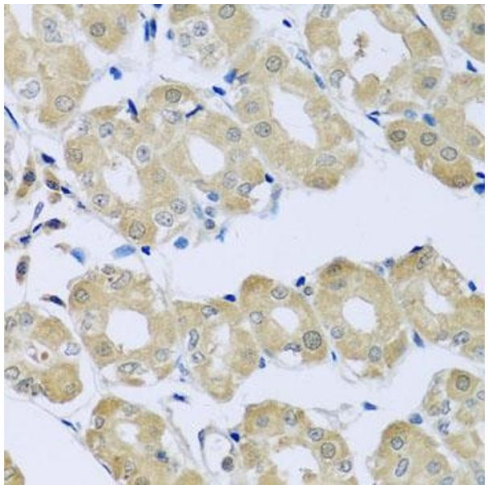
Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using SYT4 antibody (ABIN6129135, ABIN6148791, ABIN6148792 and ABIN6223676) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using SYT4 antibody (ABIN6129135, ABIN6148791, ABIN6148792 and ABIN6223676) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human stomach using SYT4 antibody (ABIN6129135, ABIN6148791, ABIN6148792 and ABIN6223676) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 4 images are available for ABIN6148791.