Datasheet for ABIN7270678

anti-SYT12 antibody (AA 95-200)

2 Images

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Overview

Quantity:	100 µL
Target:	SYT12
Binding Specificity:	AA 95-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYT12 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	SYT12 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 95-200 of human SYT12 (NP_001171351.1).
Sequence:	KGSLSIEDTF ESISELGPLE LMGRELDLAP YGTLRKSQSA DSLNSISSVS NTFGQDFTLG QVEVSMEYDT ASHTLNVAVM QGKDLLEREE ASFESCFMRV SLLPDE
Isotype:	IgG
Cross-Reactivity:	Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

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Target Details

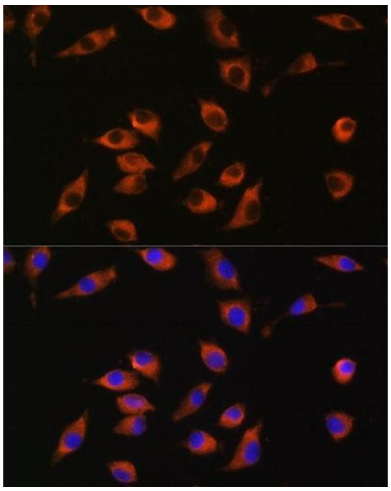
Target:	SYT12
Alternative Name:	SYT12 (SYT12 Products)
Background:	This gene is a member of the synaptotagmin gene family and encodes a protein similar to other family members that mediate calcium-dependent regulation of membrane trafficking in synaptic transmission. Studies of the orthologous gene in 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.,SYT12,SYT11,sytXII,Signal Transduction,Neuroscience,Cell Type Marker,Neuron marker,Synapse marker,SYT12
Molecular Weight:	46kDa
Gene ID:	91683
UniProt:	Q8IV01

Application Details

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

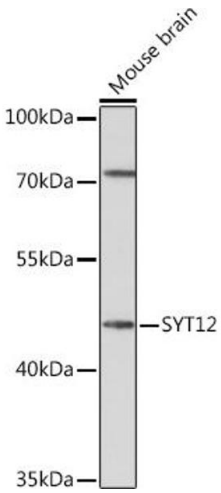
Handling

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 L929 cells using SYT12 antibody (ABIN7270678) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of Mouse brain, using SYT12 Rabbit pAb (ABIN7270678) 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: 3 min.

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