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Datasheet for ABIN6255558 anti-SYN1 antibody (pSer9)

3 Images



## Overview

Quantity:	100 µL
Target:	SYN1
Binding Specificity:	pSer9
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

# Product Details

Immunogen:	A synthesized peptide derived from human Synapsin I around the phosphorylation site of Ser9.
Isotype:	lgG
Specificity:	Phospho-Synapsin I (Ser9) Antibody detects endogenous levels of Synapsin I only when phosphorylated at Serine 9.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Sheep,Rabbit,Xenopus
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

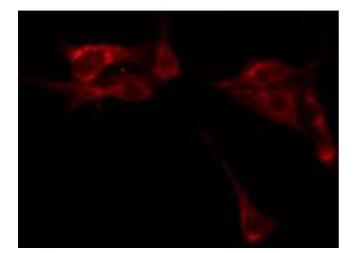
# Target Details

Target:	SYN1
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Target Details	
Alternative Name:	SYN1 (SYN1 Products)
Background:	Description: Neuronal phosphoprotein that coats synaptic vesicles, binds to the cytoskeleton, and is believed to function in the regulation of neurotransmitter release. The complex formed with NOS1 and CAPON proteins is necessary for specific nitric-oxid functions at a presynaptic level. Gene: SYN1
Molecular Weight:	77kDa
Gene ID:	6853
UniProt:	P17600
Application Details	
Application Notes:	WB 1:500-1:2000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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. Stable for 12 months from date of receipt.
Expiry Date:	12 months

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2

kDa

250-

150 -

75-

50**—** 37**—** 

25**-**20**-**

15-

1

### Immunofluorescence (fixed cells)

**Image 1.** ABIN6267412 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

### Western Blotting

**Image 2.** Western blot analysis of Synapsin phosphorylation expression in PMA treated 293 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.

# 150 - 100

### Western Blotting

**Image 3.** Western blot analysis of Phospho-Synapsin (Ser9) expression in various lysates

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