

For Research Use Only

# SYN1-Specific Recombinant antibody

Catalog Number: 85360-1-RR



## Basic Information

Catalog Number:

85360-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_006950

GeneID (NCBI):

6853

UNIPROT ID:

P17600

Full Name:

synapsin I

Calculated MW:

74 kDa

Observed MW:

70-80 kDa

Purification Method:

Protein A purification

CloneNo.:

242415H5

Recommended Dilutions:

WB 1:5000-1:50000

IF-P 1:200-1:800

## Applications

Tested Applications:

WB, IF-P, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : IMR-32 cells, SH-SY5Y cells, SK-N-SH cells

IF-P : mouse retina tissue,

## Background Information

SYN1, also named Brain protein 4.1, belongs to the synapsin family. SYN1 is a 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. Defects in SYN1 are a cause of epilepsy X-linked with variable learning disabilities and behavior disorders (XELBD).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

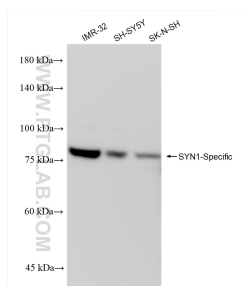
T: 4006900926

E: Proteintech-CN@ptglab.com

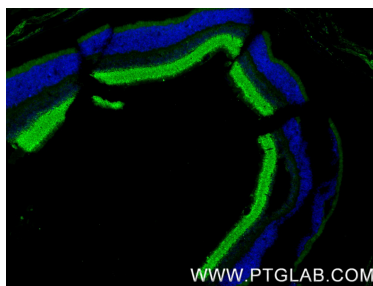
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85360-1-RR (SYN1-Specific antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse retina tissue using SYN1-Specific antibody (85360-1-RR, Clone: 242415H5) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).