CoraLite® Plus 488-conjugated SYN1-Specific Recombinant monoclonal antibody

Catalog Number:CL488-85360

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number: CL488-85360	**GenBank Accession Number:** NM_006950	**Purification Method:** Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	**GeneID (NCBI):** 6853	**CloneNo.:** 242415H5
Source: Rabbit	**UNIPROT ID:** P17600	**Recommended Dilutions:** IF-P: 1:50-1:500
Isotype: IgG	**Full Name:** synapsin I	**Excitation/Emission maxima wavelengths:** 493 nm / 522 nm
	Calculated MW: 74 kDa	
	Observed MW: 70-80 kDa	

Applications

Tested Applications:
IF-P

Species Specificity:
human, mouse

Positive Controls:

IF-P : rat brain 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).
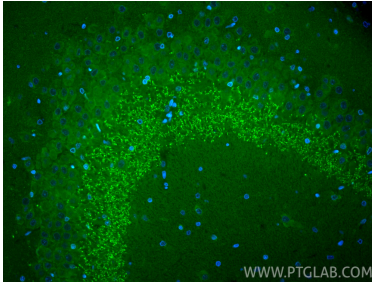
Storage

Storage:
Store at -20℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

Selected Validation Data

Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using CoraLite® Plus 488 SYN1-Specific antibody (CL488-85360, Clone: 242415H5) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).