

For Research Use Only

# CoraLite® Plus 647-conjugated Synaptophysin Polyclonal antibody

Catalog Number: CL647-17785



## Basic Information

Catalog Number:

CL647-17785

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11781

GenBank Accession Number:

BC064550

GeneID (NCBI):

6855

UNIPROT ID:

P08247

Full Name:

synaptophysin

Calculated MW:

313 aa, 34 kDa

Observed MW:

38-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC (Intra), IF-P

Species Specificity:

human, mouse

Positive Controls:

IF : mouse pancreas tissue, mouse brain tissue

## Background Information

Synaptophysin (SYP, also known as major synaptic vesicle protein p38) is a 38-kDa integral membrane glycoprotein that regulates synaptic vesicle endocytosis. It is the most abundant synaptic vesicle protein by mass. Synaptophysin is present in neuroendocrine cells and neurons that participate in synaptic transmission. Synaptophysin is a useful marker for identification of neuroendocrine cells and neoplasms. (PMID: 3010302; 21658579)

## Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

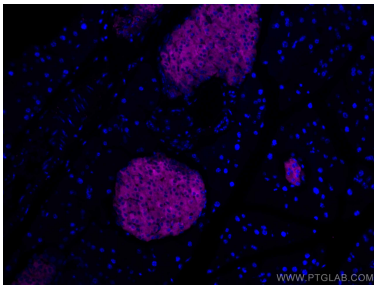
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

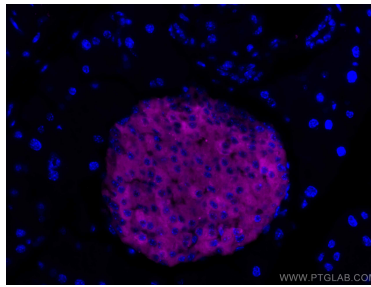
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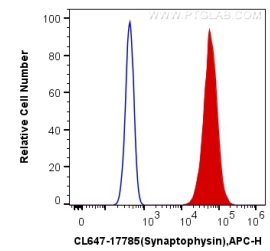
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse pancreas tissue using CoralLite® Plus 647 Synaptophysin antibody (CL647-17785) at dilution of 1:200.



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1X10<sup>6</sup> PC-12 cells were intracellularly stained with 0.4 ug CoralLite® Plus 647 Anti-Human Synaptophysin (CL647-17785) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).