

For Research Use Only

CoraLite® Plus 488-conjugated Synaptopodin Polyclonal antibody

Catalog Number: CL488-21064



Basic Information

Catalog Number:

CL488-21064

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15089

GenBank Accession Number:

BC146665

GeneID (NCBI):

11346

UNIPROT ID:

Q8N3V7

Full Name:

synaptopodin

Calculated MW:

929 aa, 99 kDa

Observed MW:

99-115 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P: rat brain tissue, mouse kidney tissue

Background Information

Synaptopodin is a actin-associated protein expressed in mature dendritic spines and renal podocytes. Several isoforms of synaptopodin have been reported: the 100 kDa neural form and 110 kDa renal form. 44-45 kDa may represent the degradation product of synaptopodin. As a podocyte specific protein, synaptopodin expression level was decreased in kidney but increased in the urinary podocytes from patients with preeclampsia, indicating that synaptopodin is a useful marker for preeclampsia. (15841212, 10555072)

Storage

Storage:

Store at -20°C. 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

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

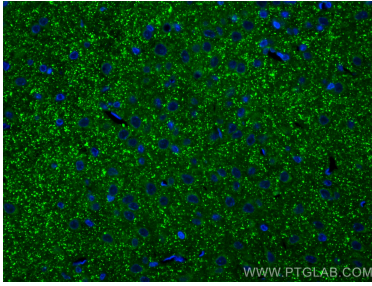
T: 4006900926

E: Proteintech-CN@ptglab.com

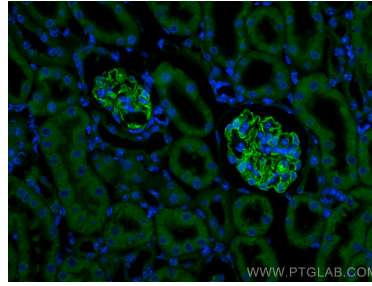
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using CoraLite® Plus 488 Synaptopodin antibody (CL488-21064) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse kidney tissue using CoraLite® Plus 488 Synaptopodin antibody (CL488-21064) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).