

For Research Use Only

CoraLite® Plus 488-conjugated Synaptopodin Polyclonal antibody



Catalog Number: CL488-21064

Basic Information

Catalog Number: CL488-21064	GenBank Accession Number: BC146665	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 11346	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: synaptopodin	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 929 aa, 99 kDa	
Immunogen Catalog Number: AG15089	Observed MW: 99-115 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : rat brain tissue,
Species Specificity: human, mouse, rat	

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, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

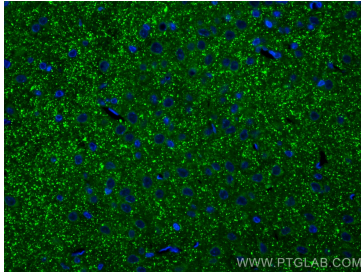
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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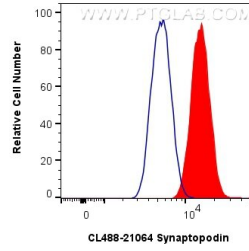
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Selected Validation Data



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



1X10⁶ U-87 MG cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human Synaptopodin (CL488-21064) (red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).