

CoraLite®594-conjugated SYNPO

Monoclonal antibody

Catalog Number: CL594-67339

1 Publications

Basic Information

Catalog Number:

CL594-67339

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

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:

100-110 kDa

Purification Method:

Protein G purification

CloneNo.:

1E181

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF-P

Cited Applications:

IF

Species Specificity:

Human, mouse, rat, pig

Positive Controls:

IF-P: mouse brain 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)

Notable Publications

Author	Pubmed ID	Journal	Application
Roberto Boi	36735952	J Am Soc Nephrol	IF

Storage

Storage:

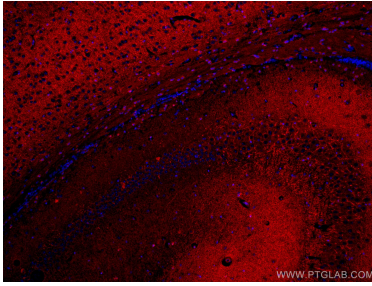
Store at -20°C. Avoid exposure to light.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite®594 SYNPO antibody (CL594-67339, Clone: 1E1B1) at dilution of 1:200.