

For Research Use Only

CoraLite®594-conjugated Drebrin Monoclonal antibody



Catalog Number:CL594-67589

Basic Information

Catalog Number:

CL594-67589

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG22635

GenBank Accession Number:

BC007567

GeneID (NCBI):

1627

ENSEMBL Gene ID:

ENSG00000113758

UNIPROT ID:

Q16643

Full Name:

drebrin 1

Observed MW:

110-120 kDa

Purification Method:

Protein A purification

CloneNo.:

1A12H1

Recommended Dilutions:

IF-P 1:50-1:500

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC, IF-P, FC (Intra)

Species Specificity:

human, mouse

Positive Controls:

IF-P : mouse brain tissue,

IF/ICC : SH-SY5Y cells,

Background Information

Drebrin (DBN1) is an actin binding and stabilizing protein with roles in endocytosis, formation of dendrite spines in neurons and coordinating cell-cell synapses in immune cells. Preferentially expressed in the brain, it is highly localized in dendritic spines and regulates spine shapes. It has two isoforms that are splice variants, with drebrin A being expressed in neural cells, and drebrin E is present in several other cell types. Recently it has been reported that circulating DBN1 levels correlated with retinal nerve fiber layer defect and may reflect the severity of retinal ganglion cells injury in glaucoma patients.

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

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

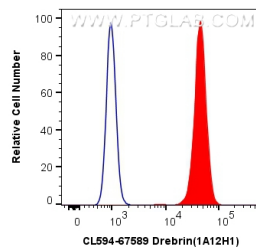
T: 4006900926

E: Proteintech-CN@ptglab.com

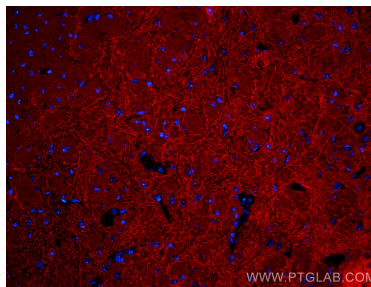
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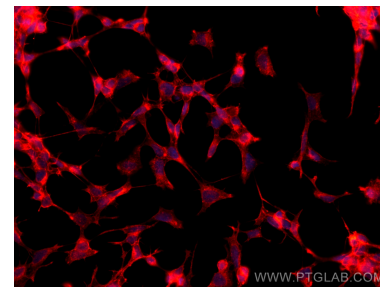
Selected Validation Data



1×10^6 SH-SY5Y cells were intracellularly stained with 0.4 μ g CoraLite® 594 Anti-Human Drebrin (CL594-67589, Clone: 1A12H1) (red), or 0.4 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® 594 Drebrin antibody (CL594-67589, Clone: 1A12H1) at dilution of 1:200.



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using CoraLite® 594 Drebrin antibody (CL594-67589, Clone: 1A12H1) at dilution of 1:200.