

For Research Use Only

CoraLite®594-conjugated Drebrin Monoclonal antibody

Catalog Number:CL594-67589



Basic Information

Catalog Number: CL594-67589	GenBank Accession Number: BC007567	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1627	CloneNo.: 1A12H1
Source: Mouse	ENSEMBL Gene ID: ENSG00000113758	Recommended Dilutions: IF-P: 1:50-1:500 IF/ICC: 1:50-1:500 FC (Intra): 0.40 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG2a	UNIPROT ID: Q16643	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG22635	Full Name: drebrin 1	
	Observed MW: 110-120 kDa	

Applications

Tested Applications: IF/ICC, IF-P, FC (Intra)	Positive Controls: IF-P : mouse brain tissue, IF/ICC : SH-SY5Y cells, FC (Intra) : SH-SY5Y cells,
Species Specificity: human, mouse	

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.

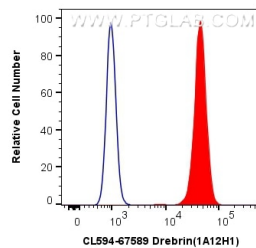
Storage

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, pH7.3
Aliquoting is unnecessary for -20° C storage

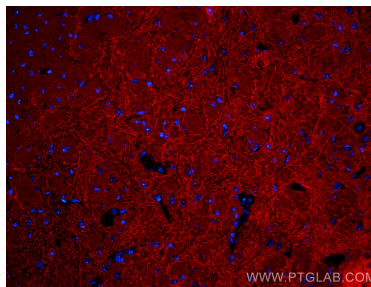
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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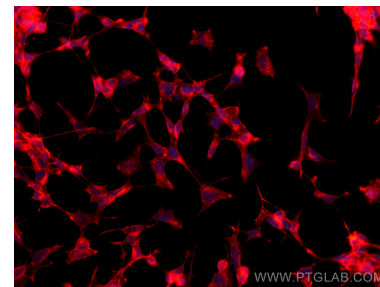
Selected Validation Data



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.