

For Research Use Only

CoraLite® Plus 647-conjugated Drebrin Monoclonal antibody



Catalog Number:CL647-67589

Basic Information

Catalog Number: CL647-67589	GenBank Accession Number: BC007567	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1627	CloneNo.: 1A12H1
Source: Mouse	Full Name: drebrin 1	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Observed MW: 110-120 kDa	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: AG22635		

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : SH-SY5Y cells,
Species Specificity: Human, mouse, rat, pig	

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

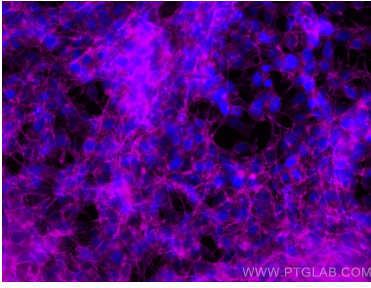
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

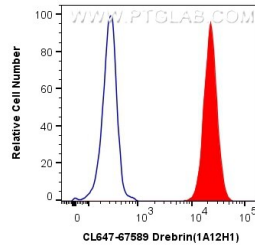
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using CoraLite® Plus 647 Drebrin antibody (CL647-67589, Clone: 1A12H1) at dilution of 1:200.



1X10⁶ SH-SY5Y cells were intracellularly stained with 0.4 ug CoraLite® Plus 647 Anti-Human Drebrin (CL647-67589, Clone:1A12H1) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).