

For Research Use Only

Drebrin Recombinant antibody, PBS Only (Capture)

Catalog Number: 83591-2-PBS



Basic Information

Catalog Number:	83591-2-PBS	GenBank Accession Number:	BC000283	Purification Method:	Protein A purification
Size:	1 mg/ml	GeneID (NCBI):	1627	CloneNo.:	240599G12
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000113758		
Isotype:	IgG	UNIPROT ID:	Q16643		
Immunogen Catalog Number:	AG0371	Full Name:	drebrin 1		
		Calculated MW:	71 kDa		
		Observed MW:	110-130 kDa		

Applications

Tested Applications:
WB, IHC, FC (Intra), Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

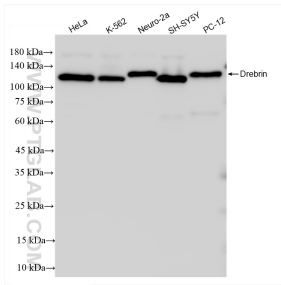
T: 4006900926

E: Proteintech-CN@ptglab.com

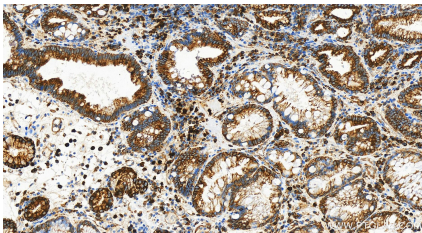
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

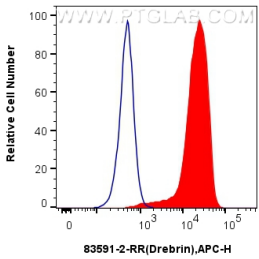
Selected Validation Data



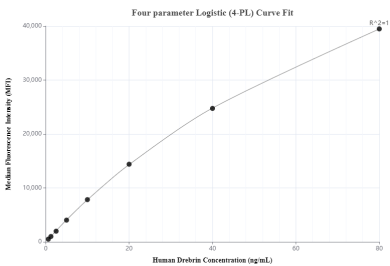
Various lysates were subjected to SDS PAGE followed by western blot with 83591-2-RR (Drebrin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83591-2-PBS in a different storage buffer formulation.



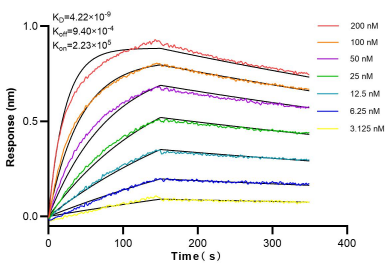
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83591-2-RR (Drebrin antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer(pH9). This data was developed using the same antibody clone with 83591-2-PBS in a different storage buffer formulation.



1x10⁶ SH-SY5Y cells were intracellularly stained with 0.25 ug Drebrin Recombinant antibody (83591-2-RR, Clone:240599G12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83591-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00585-2, Drebrin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83591-2-PBS. Detection antibody: 83591-1-PBS. Standard: Ag0371. Range: 0.78-100 ng/mL



Biolayer interferometry (BLI) kinetic assays of 83591-2-RR against Human DHRS3 were performed. The affinity constant is 0.109 nM.