

For Research Use Only

Drebrin Recombinant antibody

Catalog Number: 83591-2-RR



Basic Information

Catalog Number: 83591-2-RR	GenBank Accession Number: BC000283	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 1627	CloneNo.: 240599G12
Source: Rabbit	ENSEMBL Gene ID: ENSG00000113758	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:200-1:800
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), ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, K-562 cells, Neuro-2a cells, SH-SY5Y cells, PC-12 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human stomach cancer tissue,

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

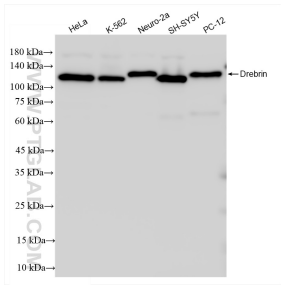
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

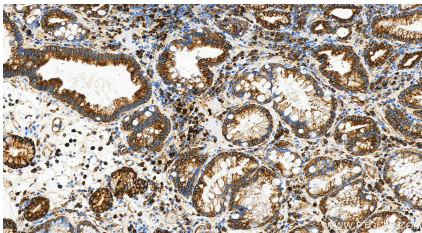
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

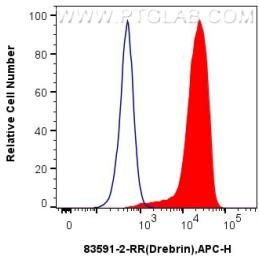
Selected Validation Data



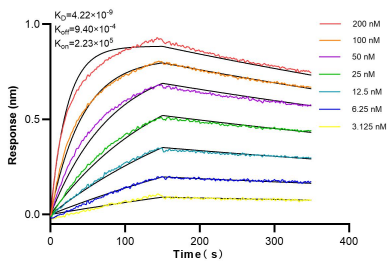
Various lysates were subjected to SDS PAGE followed by western blot with 83591-2-RR (Drebrin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).



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).



Biolayer interferometry (BLI) kinetic assays of 83591-2-RR against Human DHR53 were performed. The affinity constant is 0.109 nM.