

For Research Use Only

Drebrin Recombinant antibody

Catalog Number: 83591-2-RR



Basic Information

Catalog Number:

83591-2-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0371

GenBank Accession Number:

BC000283

GeneID (NCBI):

1627

ENSEMBL Gene ID:

ENSG00000113758

UNIPROT ID:

Q16643

Full Name:

drebrin 1

Calculated MW:

71 kDa

Observed MW:

110-130 kDa

Purification Method:

Protein A purification

CloneNo.:

240599G12

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, K-562 cells, Neuro-2a cells, SH-SY5Y cells, PC-12 cells

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

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

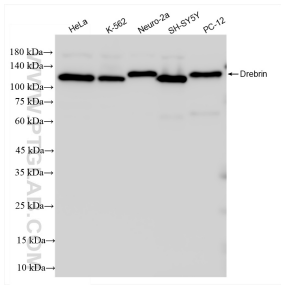
T: 4006900926

E: Proteintech-CN@ptglab.com

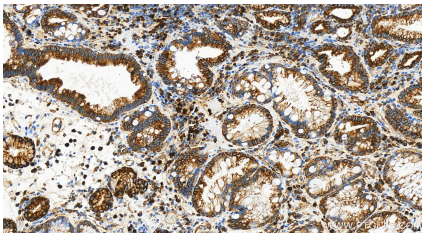
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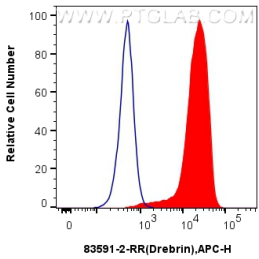
Selected Validation Data



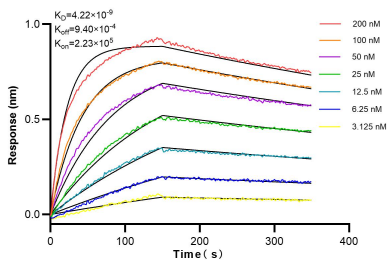
Various lysates were subjected to SDS PAGE followed by western blot with 83591-2-RR (Drebrin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.