

For Research Use Only

# Drebrin Polyclonal antibody

Catalog Number: 25770-1-AP

1 Publications



## Basic Information

Catalog Number:

25770-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22634

GenBank Accession Number:

BC007567

GeneID (NCBI):

1627

ENSEMBL Gene ID:

ENSG00000113758

UNIPROT ID:

Q16643

Full Name:

drebrin 1

Observed MW:

100-130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:500-1:2000

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

IF

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : HeLa cells, mouse brain tissue, SH-SY5Y cells, K-562 cells, Neuro-2a cells, Jurkat cells

IF/ICC : MCF-7 cells, SH-SY5Y cells, HepG2 cells

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Paloma Alvarez-Suarez	34502296	Int J Mol Sci	IF

## 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

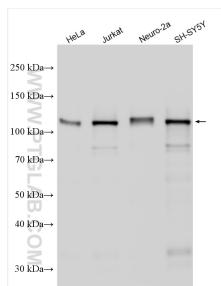
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

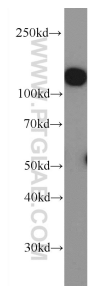
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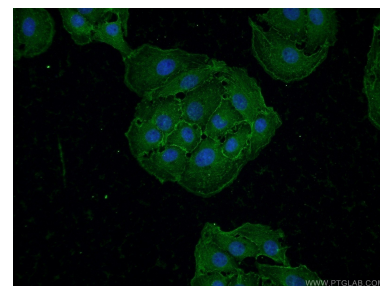
## Selected Validation Data



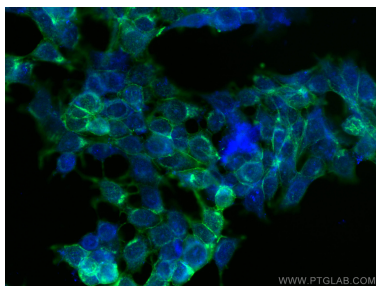
Various lysates were subjected to SDS PAGE followed by western blot with 25770-1-AP (Drebrin antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



K-562 cells were subjected to SDS PAGE followed by western blot with 25770-1-AP (Drebrin Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of SH-SY5Y cells using 25770-1-AP (Drebrin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using Drebrin antibody (25770-1-AP) at dilution of 1:1000 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L).