

Drebrin Monoclonal antibody

Catalog Number: 67589-1-Ig

Basic Information

Catalog Number:

67589-1-Ig

Size:

1100 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG22635

GenBank Accession Number:

BC007567

GeneID (NCBI):

1627

ENSEMBL Gene ID:

ENSG00000113758

UNIPROT ID:

Q16643

Full Name:

drebrin 1

Observed MW:

110-120 kDa

Purification Method:

Protein A purification

CloneNo.:

1A12H1

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat, pig

**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, pig brain tissue, HEK-293 cells, PC-12
cells, Neuro-2a cells, rat brain tissue, mouse brain
tissue

IHC : mouse brain 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:

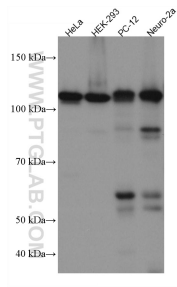
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

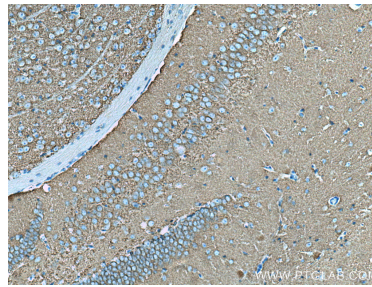
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67589-1-Ig (Drebrin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67589-1-Ig (Drebrin antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).