

For Research Use Only

Drebrin Polyclonal antibody

Catalog Number: 10260-1-AP

24 Publications



Basic Information

Catalog Number:

10260-1-AP

Size:

500 µg/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:

100-130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse

Cited Species:

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

IP : K-562 cells,

IHC : mouse testis tissue,

IF/ICC : HeLa 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 |
|---------------|-----------|----------------------------|-------------|
| Qiaoyan Yu | 36155064 | Biochem Biophys Res Commun | WB,IP |
| Hongchun Li | 36096452 | Mol Metab | WB |
| Runjiao Zhang | 36307396 | Cell Death Discov | IHC,WB |

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:

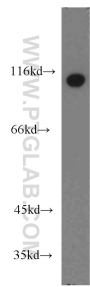
T: 4006900926

E: Proteintech-CN@ptglab.com

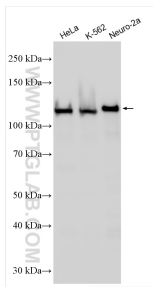
W: ptgcn.com

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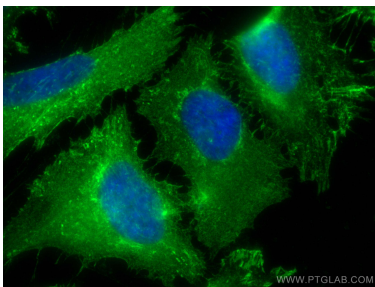
Selected Validation Data



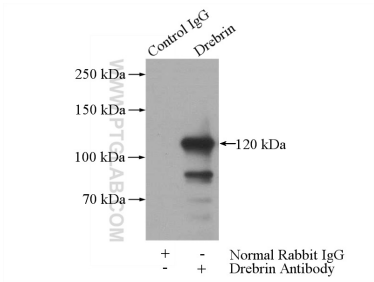
HeLa cells were subjected to SDS PAGE followed by western blot with 10260-1-AP (DBN1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



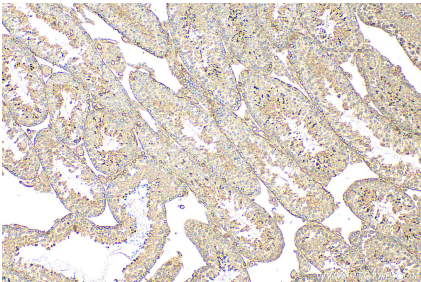
Various lysates were subjected to SDS PAGE followed by western blot with 10260-1-AP (Drebrin antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



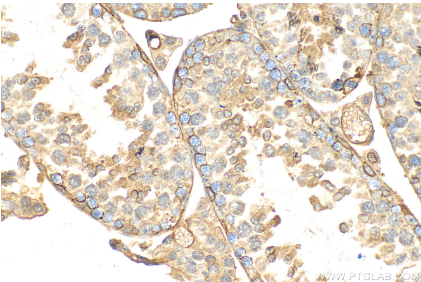
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Drebrin antibody (10260-1-AP) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



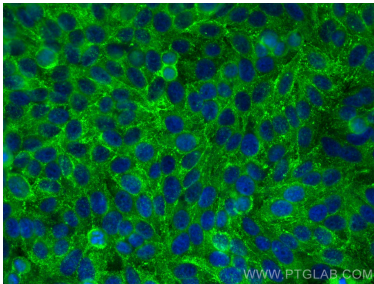
IP result of anti-Drebrin (IP:10260-1-AP, 4ug; Detection:10260-1-AP 1:2000) with K-562 cells lysate 1200ug.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10260-1-AP (Drebrin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10260-1-AP (Drebrin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Drebrin antibody (10260-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).