

For Research Use Only

DBR1 Monoclonal antibody, PBS Only



Catalog Number: 66951-1-PBS

Featured Product

Basic Information

Catalog Number:

66951-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG8830

GenBank Accession Number:

BC009472

GeneID (NCBI):

51163

UNIPROT ID:

Q9UK59

Full Name:

debranching enzyme homolog 1 (S. cerevisiae)

Calculated MW:

544 aa, 62 kDa

Observed MW:

70-80 kDa

Purification Method:

Protein A purification

CloneNo.:

3B5A7

Applications

Tested Applications:

WB, IP, IF, IHC, Indirect ELISA

Species Specificity:

Human, Mouse, Rat, Pig

Background Information

DBR1(Lariat debranching enzyme) hydrolyzes 2-prime-to-5-prime branched phosphodiester bonds at the branch point of excised lariat intron RNA and converts them into linear molecules. DBR1 belongs to the lariat debranching enzyme family. Inhibitor of Dbr1 can suppress TDP-43 toxicity in primary neurons, suggesting that Dbr1 could be a potential therapeutic target for ALS and related TDP-43 proteinopathies (PMID: 23104007). This protein has 2 isoforms produced by alternative splicing.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

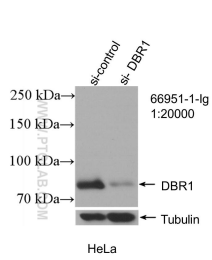
For technical support and original validation data for this product please contact:

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

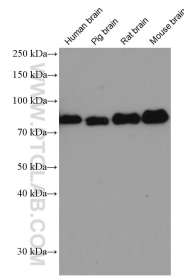
E: proteintech@ptglab.com
W: ptglab.com

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

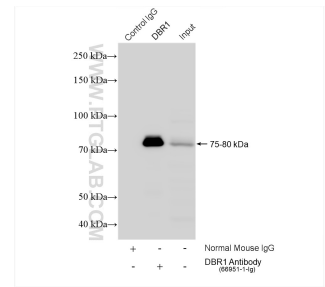
Selected Validation Data



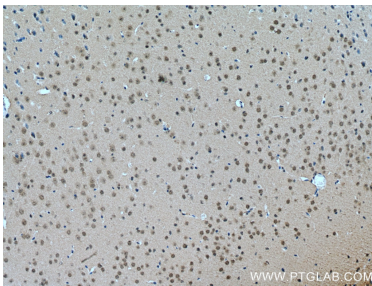
WB result of DBR1 antibody (66951-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DBR1 transfected HeLa cells. This data was developed using the same antibody clone with 66951-1-PBS in a different storage buffer formulation.



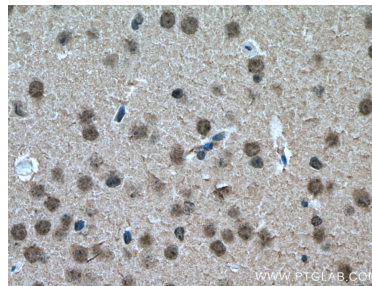
Various lysates were subjected to SDS PAGE followed by western blot with 66951-1-Ig (DBR1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66951-1-PBS in a different storage buffer formulation.



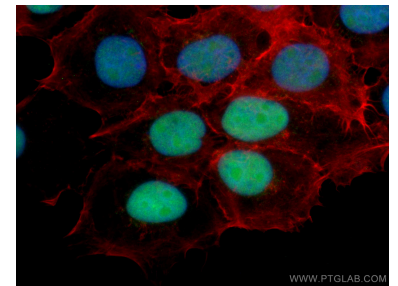
IP result of anti-DBR1 (IP:66951-1-Ig, 4ug; Detection:66951-1-Ig 1:2000) with HeLa cells lysate 1560 ug. This data was developed using the same antibody clone with 66951-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66951-1-Ig (DBR1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66951-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66951-1-Ig (DBR1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66951-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using DBR1 antibody (66951-1-Ig, Clone: 3B5A7) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 66951-1-PBS in a different storage buffer formulation.