

DBR1 Monoclonal antibody

Catalog Number: 66951-1-Ig

Featured Product

Basic Information

Catalog Number: 66951-1-Ig	GenBank Accession Number: BC009472	Purification Method: Protein A purification
Size: 150ul, Concentration: 2100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51163	CloneNo.: 3B5A7
Source: Mouse	Full Name: debranching enzyme homolog 1 (S. cerevisiae)	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
Isotype: IgG2b	Calculated MW: 544 aa, 62 kDa	IHC 1:250-1:1000
Immunogen Catalog Number: AG8830	Observed MW: 70-80 kDa	IF 1:200-1:800

Applications

Tested Applications:

IF, IHC, IP, WB, 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: human brain tissue, HeLa cells, MCF-7 cells, fetal human brain tissue, pig brain tissue, rat brain tissue, mouse brain tissue, HepG2 cells

IP: HeLa cells, mouse brain tissue

IHC: mouse brain tissue,

IF: A431 cells,

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. Inhibition 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 -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

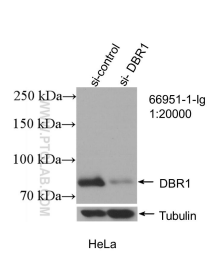
For technical support and original validation data for this product please contact:

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

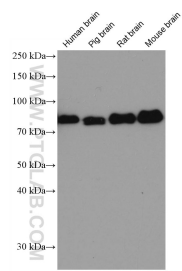
E: proteintech@ptglab.com
W: ptglab.com

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

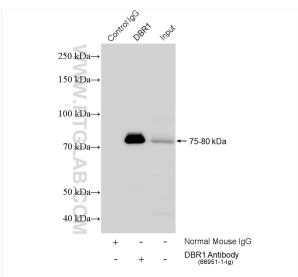
Selected Validation Data



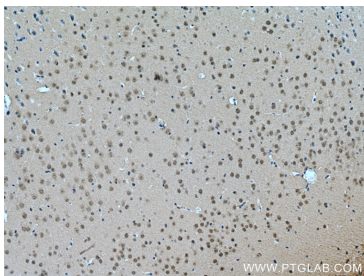
WB result of DBR1 antibody (66951-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DBR1 transfected HeLa cells.



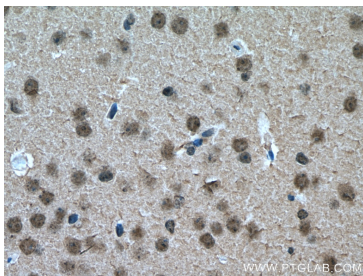
Various lysates were subjected to SDS PAGE followed by western blot with 66951-1-Ig (DBR1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



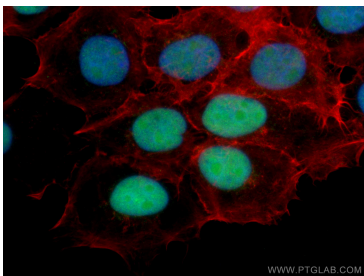
IP result of anti-DBR1(IP:66951-1-Ig, 4ug; Detection:66951-1-Ig 1:2000) with HeLa cells lysate 1560 ug.



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).



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).



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).