

For Research Use Only

CoraLite® Plus 488-conjugated DBR1 Monoclonal antibody



Catalog Number: CL488-66951

Featured Product

Basic Information

Catalog Number:

CL488-66951

Size:

1000 µg/ml

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

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human, Mouse, Rat, Pig

Positive Controls:

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. 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 -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

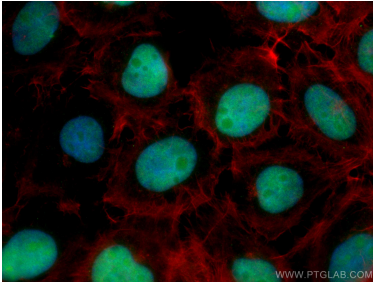
T: 4006900926

E: Proteintech-CN@ptglab.com

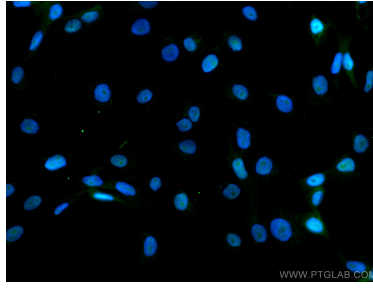
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoraLite® Plus 488 DBR1 antibody (CL488-66951, Clone: 3B5A7) at dilution of 1:100, CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoraLite® Plus 488 DBR1 antibody (CL488-66951, Clone: 3B5A7) at dilution of 1:200.