

For Research Use Only

# CoraLite® Plus 488-conjugated DBR1 Monoclonal antibody



Catalog Number: CL488-66951

Featured Product

## Basic Information

<b>Catalog Number:</b> CL488-66951	<b>GenBank Accession Number:</b> BC009472	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51163	<b>CloneNo.:</b> 3B5A7
<b>Source:</b> Mouse	<b>Full Name:</b> debranching enzyme homolog 1 (S. cerevisiae)	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 544 aa, 62 kDa	<b>Excitation/Emission maxima wavelengths:</b> 488 nm / 515 nm
<b>Immunogen Catalog Number:</b> AG8830	<b>Observed MW:</b> 70-80 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : A431 cells,
<b>Species Specificity:</b> 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. 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

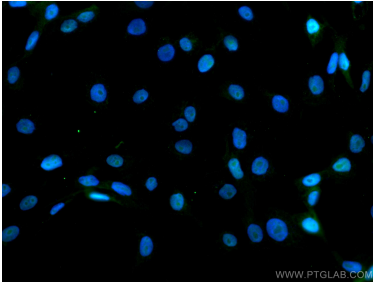
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

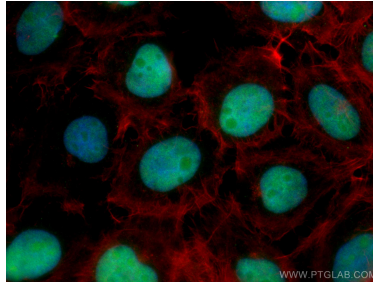
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

## Selected Validation Data



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



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).