

For Research Use Only

# CoraLite® Plus 488-conjugated TDP-43 (C-terminal) Monoclonal antibody



Catalog Number: CL488-67345

## Basic Information

<b>Catalog Number:</b> CL488-67345	<b>GenBank Accession Number:</b> NM_007375	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 23435	<b>CloneNo.:</b> 1G5F6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13148	<b>Recommended Dilutions:</b> IF 1:150-1:600
<b>Isotype:</b> IgG2a	<b>Full Name:</b> TAR DNA binding protein	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
	<b>Calculated MW:</b> 43 kDa	
	<b>Observed MW:</b> 43-45 kDa	

## Applications

<b>Tested Applications:</b> IF-P	<b>Positive Controls:</b> IF : rat brain tissue,
<b>Species Specificity:</b> Human, mouse, rat	

## Background Information

Transactivation response (TAR), DNA-binding protein of 43 kDa (also known as TARDBP or TDP-43), was first isolated as a transcriptional inactivator binding to the TAR DNA element of the HIV-1 virus. Neumann et al. (2006) found that a hyperphosphorylated, ubiquitinated, and cleaved form of TARDBP, known as pathologic TDP-43, is the major component of the tau-negative and ubiquitin-positive inclusions that characterize amyotrophic lateral sclerosis (ALS) and the most common pathological subtype of frontotemporal lobar degeneration (FTLD-U). 67345-1-Ig is a mouse monoclonal antibody raised against the C-terminal region of human TDP-43.

## 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:

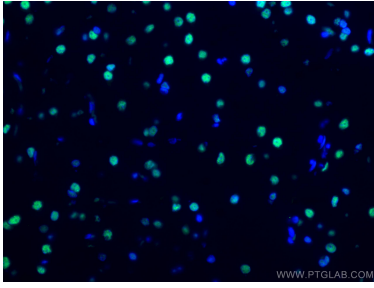
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

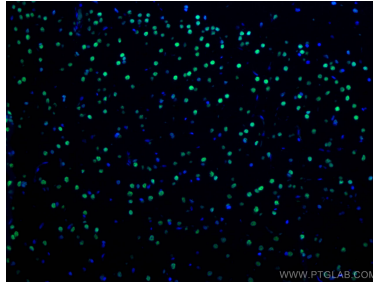
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using CoraLite® Plus 488-conjugated TDP-43 (C-terminal) antibody (CL488-67345, Clone: 1G5F6) at dilution of 1:300.



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