

For Research Use Only

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



Catalog Number: **CL488-81350**

Basic Information

Catalog Number: CL488-81350	GenBank Accession Number: BC001487	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 23435	CloneNo.: 5D17
Source: Rabbit	UNIPROT ID: Q13148	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: TAR DNA binding protein	
Immunogen Catalog Number: AG4003	Calculated MW: 43 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, Mouse, Rat

Background Information

The TARDBP gene encodes the TDP-43 protein, initially found to repress HIV-1 transcription by binding TAR DNA. TDP-43 has since been shown to bind RNA as well as DNA, and have multiple functions in transcriptional repression, translational regulation and pre-mRNA splicing. For instance, it is reported to regulate alternate splicing of the CTFR gene. In 2006 Neumann et al. found that hyperphosphorylated, ubiquitinated and/or cleaved forms of TDP-43, collectively known as pathological TDP-43, play a major role in the disease mechanisms of ubiquitin-positive, tau- and alpha-synuclein-negative frontotemporal dementia (FTLD-U) and in amyotrophic lateral sclerosis (ALS).

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
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:

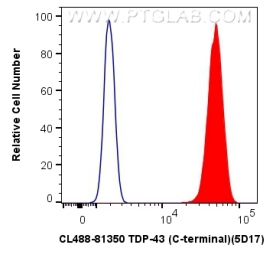
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.8 ug Coralite® Plus 488 Anti-Human TDP-43 (C-terminal) (CL488-81350, Clone:5D17) (red), or 0.8 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).