

For Research Use Only

TDP-43 (C-terminal) Monoclonal antibody, PBS Only



Catalog Number: 67345-1-PBS

Featured Product

Basic Information

Catalog Number:

67345-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

NM_007375

GeneID (NCBI):

23435

UNIPROT ID:

Q13148

Full Name:

TAR DNA binding protein

Calculated MW:

43 kDa

Observed MW:

43-45 kDa

Purification Method:

Protein A purification

CloneNo.:

1G5F6

Applications

Tested Applications:

WB, IF, FC, IHC, ELISA

Species Specificity:

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. Stable for one year after shipment.

Storage Buffer:

PBS only

Aliquoting is unnecessary for -20°C storage

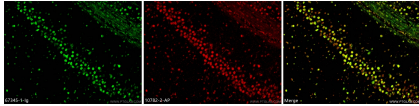
For technical support and original validation data for this product please contact:

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

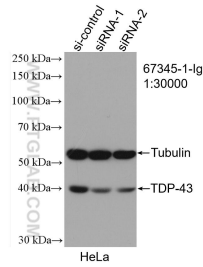
E: proteintech@ptglab.com
W: ptglab.com

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

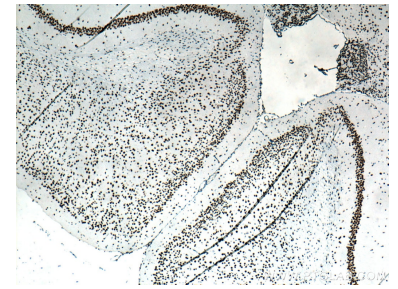
Selected Validation Data



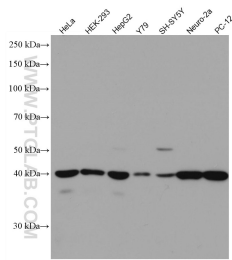
Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using 67345-1-Ig (TDP-43 (C-terminal) antibody) at dilution of 1:500 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67345-1-PBS in a different storage buffer formulation.



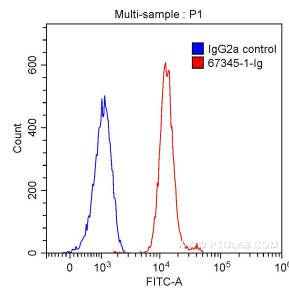
WB result of TDP-43 (C-terminal) antibody (67345-1-Ig; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TDP-43 (C-terminal) transfected HeLa cells. This data was developed using the same antibody clone with 67345-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67345-1-Ig (TDP-43 (C-terminal) antibody) at dilution of 1:5000 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67345-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 67345-1-Ig (TDP-43 (C-terminal) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67345-1-PBS in a different storage buffer formulation.



1X10⁶ HeLa cells were intracellularly stained with 0.20ug Anti-Human TDP-43 (C-terminal) (67345-1-Ig, Clone:1G5F6) (red) or 0.20 ug Mouse IgG2a Isotype Control(66360-2-Ig, CloneK11A1B2A2) (blue) and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000. Fixed with 90% MeOH. This data was developed using the same antibody clone with 67345-1-PBS in a different storage buffer formulation.