

CoraLite®594-conjugated TDP-43 (C-terminal) Monoclonal antibody

Catalog Number: **CL594-67345**

Basic Information

Catalog Number: CL594-67345	GenBank Accession Number: NM_007375	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 23435	CloneNo.: 1G5F6
Source: Mouse	UNIPROT ID: Q13148	Recommended Dilutions: IF-P 1:150-1:600
Isotype: IgG2a	Full Name: TAR DNA binding protein	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
	Calculated MW: 43 kDa	
	Observed MW: 43-45 kDa	

Applications

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

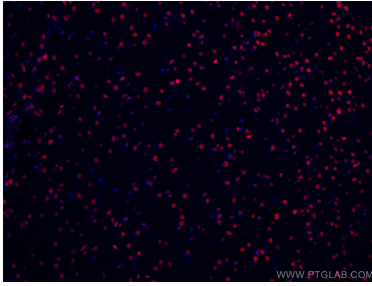
Background Information

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. 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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using CoraLite®594-conjugated TDP-43 (C-terminal) antibody (CL594-67345, Clone: 1G5F6) at dilution of 1:300.