

TARDBP TAR DNA binding protein / TDP43 Antibody

Mouse Monoclonal Antibody [Clone TARDP/349]

Catalog No	Format	Size
23435-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
23435-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
23435-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

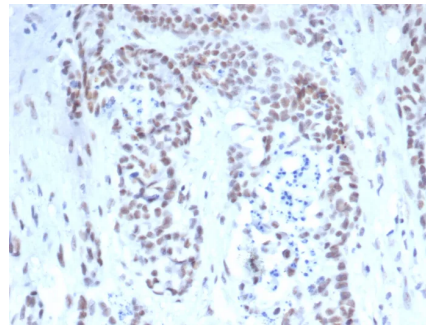
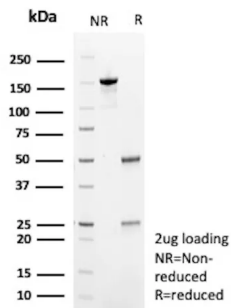
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	TARDP/349
Gene Name	TARDBP
Immunogen	Recombinant fragment within human TDP43 aa 200 to the C-terminus.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	44kDa
Cellular Localization	it is absent from the nucleus of affected neurons but it is the primary component of cytoplasmic ubiquiti, Nucleus. In patients with frontotemporal lobar degeneration and amyotrophic lateral sclerosis
Species Reactivity	Human
Positive Control	Human cerebrum or colon.

*Optimal dilution for a specific application should be determined.

Product Images for TARDBP TAR DNA binding protein / TDP43 Antibody



SDS-PAGE Analysis Purified TARDP Mouse Monoclonal Antibody (TARDBP/0349). Confirmation of Purity and Integrity of Antibody.

Formalin-fixed, paraffin-embedded human prostate stained with TDP43 Mouse Monoclonal Antibody (TARDP/349). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

TARDBP (TAR DNA binding protein), also known as TDP-43, is a nuclear protein that contains two RRM (RNA recognition motif) domains. Ubiquitously expressed with highest levels found in placenta, lung, pancreas, spleen and genital tract, TARDBP functions as a DNA-binding protein and specifically binds to the TAR DNA sequence motifs of HIV. Via this association with TAR motifs, TARDBP acts as a transcriptional repressor and inhibits HIV-1 transcription. TARDBP can also function as a negative regulator of splicing activity and is known to be involved in the splicing of CFTR (cystic fibrosis transmembrane receptor). In addition, TARDBP is a major component of ubiquitin-positive inclusion bodies that are prominent in many neurodegenerative diseases. This suggests that TARDBP may play a role in the development of neurodegenerative disorders. Due to alternative splicing events, various isoforms exist for TARDBP.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Neuroscience, Nuclear Marker
