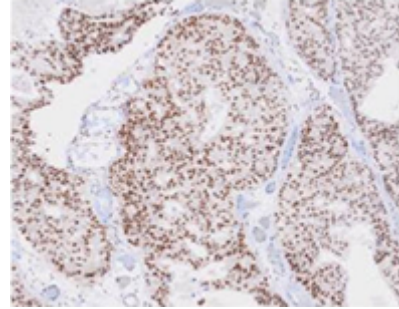


AM09038PU-N**Monoclonal Antibody to TARDBP - Purified**

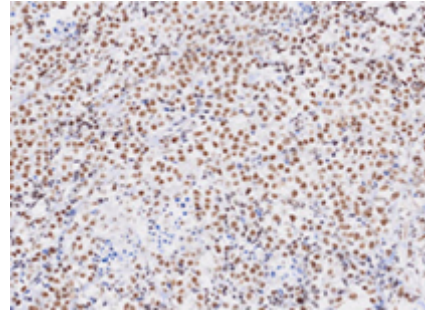
Alternate names:	TAR DNA-binding protein 43, TDP-43, TDP43
Quantity:	0.1 ml
Concentration:	1.0 mg/ml
Background:	TAR DNA binding protein (TARDBP), also known as TDP-43, is a cellular protein. TARDBP was identified as the disease accumulating protein in patients with frontotemporal lobar degeneration (FTLD) with ubiquitin inclusions (FTLD-U) and in amyotrophic lateral sclerosis (ALS). 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. In addition, this protein regulates alternate splicing of the cystic fibrosis transmembrane receptor (CFTR) gene.
Uniprot ID:	Q13148
NCBI:	NP_031401
GeneID:	23435
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	k1B8
Immunogen:	Recombinant Human TARDBP (1-260 aa) purified from <i>E. coli</i> .
Format:	State: Liquid purified Ig fraction Purification: Protein-G Affinity Chromatography Buffer System: PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol
Applications:	ELISA. Western blot (1/1,000-1/2,000). Flow Cytometry. Immunohistochemistry on Paraffin Sections (1/50-1/100). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody recognizes Human TARDBP. Other species not tested.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Nicola JR, et al., (2008) PLoS Genet 4(9):e1000193. 2. Kabashi E, et al., (2008) Nat Genet 40(5):572-574. 3. Ou SH, et al., (1995) J Virol 69:3584-3596.

Pictures:

Immunohistochemistry: Paraffin Embedded Sections of Human prostate cancer were incubated with anti-Human TARDBP antibody (1/50) for 2 hours at RT. Antigen retrieval was performed in 0.1 M sodium citrate buffer and detected using Diaminobenzidine (DAB).



Immunohistochemistry: Paraffin Embedded Sections of Human seminoma tissue were incubated with anti-Human TARDBP antibody (1/50) for 2 hours at RT. Antigen retrieval was performed in 0.1 M sodium citrate buffer and detected using Diaminobenzidine (DAB).



Western blot analysis: Cell lysates of HeLa (20 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human TARDBP (1/1,000). Proteins were visualized using HRP conjugated Goat anti-Mouse secondary antibody and an ECL detection system.

