

Mouse anti-Human TARDBP Monoclonal Antibody | anti-TARDBP antibody

TARDBP antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48023	Mouse	Human	Immunohistochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

TARDBP; Monoclonal Antibody; TARDBP antibody; TAR DNA binding protein; TDP-43; ALS10; TAR DNA-binding protein 43; TDP43; anti-TARDBP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	k1B8
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	414
Applicable Applications for anti-TARDBP antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human TARDBP (1-260aa) purified from E. coli
Clone Note	Anti-human TARDBP mAb, clone k1B8, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human TARDBP protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IHC (Immunohistochemistry)

Paraffin embedded sections of human prostate cancer and seminoma tissue were incubated with anti-human TARDBP (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-TARDBP antibody	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.
Product Categories/Family for anti-TARDBP antibody	Transcription & Translation
References	Nicola JR, et al., (2008) PLoS Genet 4 (9):e1000193; Kabashi E, et al., (2008) Nat Genet 40 (5):572-574 Ou SH, et al., (1995) J Virol 69:3584-3596

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678271
NCBI GeneID	23435
NCBI Accession #	NP_031401
NCBI GenBank Nucleotide #	NM_007375.3
UniProt Accession #	Q13148 ; Q53H27 ; Q6FI92 ; Q96DJ0 ; A4GUK4 ; A4GUK5 ; A4GUK6 ; B2R629 ; B4DJ45 ; E2PU12
Molecular Weight	31,808 Da
NCBI Official Full Name	TAR DNA-binding protein 43
NCBI Official Synonym Full Names	TAR DNA binding protein
NCBI Official Symbol	TARDBP
NCBI Official Synonym Symbols	ALS10; TDP-43
NCBI Protein Information	TAR DNA-binding protein 43
UniProt Protein Name	TAR DNA-binding protein 43
UniProt Gene Name	TARDBP
UniProt Synonym Gene Names	TDP43; TDP-43

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tardbp-antibody-clone-k1b8-immunohistochemistry-flow-cytometry-western-blot-elisa/48023>