

Mouse anti-Human TDP-43 / TARDBP Monoclonal Antibody | anti-TDP-43 antibody

Mouse Monoclonal [clone K1B8] (IgG1,k) to Human TDP-43 / TARDBP

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51810	Mouse	Human	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

TDP-43 / TARDBP; Monoclonal Antibody; Mouse Monoclonal [clone K1B8] (IgG1; k) to Human TDP-43 / TARDBP; Anti-TDP-43 / TARDBP Antibody (aa1-260; clone K1B8) IHC-plus; TARDBP; ALS10; TAR DNA-binding protein-43; TDP-43; TAR DNA binding protein; TAR DNA-binding protein 43; TDP43; Human TDP-43; anti-TDP-43 antibody

PRODUCT SPECIFICATIONS

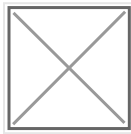
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	K1B8
Purity/Purification	Protein G Purified
Form/Format	PBS, pH 7.4, 0.1% sodium azide. Sourced in Ascites.
Concentration	1 mg/ml (varies by lot)
Sequence Length	414
Applicable Applications for anti-TDP-43 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Immunogen Type	Recombinant protein
Immunogen Description	TDP-43 / TARDBP antibody was raised against Human
Immunogen	TDP-43 / TARDBP antibody was raised against recombinant human TARDBP (1-260aa) purified from E Coli.
Epitope	aa1-260
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

<p>Recommended Immunohistochemistry Protocol</p>	<p>The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results:</p> <p>Tissue Preparation: Formalin fixation and embedding in paraffin wax.</p> <p>Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C.</p> <p>Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT</p> <p>Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT</p> <p>Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT</p> <p>Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT</p> <p>Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip</p>
<p>Preparation and Storage</p>	<p>Long term: -20 degree C; Short term: +4 degree C; Avoid freeze-thaw cycles.</p>

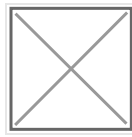
IMAGES



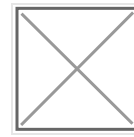
WB (Western Blot)
Cell lysates of HeLa(20 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human TARDBP (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



IHC (Immunohistochemisry)
Anti-TARDBP antibody IHC of human lung. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

**IHC (Immunohistochemistry)**

Anti-TARDBP antibody IHC of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

**IHC (Immunohistochemistry)**

Anti-TARDBP antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

ADDITIONAL INFORMATION**Related Product Information for anti-TDP-43 antibody**

Usage: Immunohistochemistry: MBS245356 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for [MBS245356](#) was determined to be 10 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678271
NCBI GeneID	23435
NCBI Accession #	NP_031401.1
NCBI GenBank Nucleotide #	NM_007375.3
UniProt Accession #	Q13148 ; Q53H27 ; Q6FI92 ; Q96DJ0 ; A4GUK4 ; A4GUK5 ; A4GUK6 ; B2R629 ; B4DJ45 ; E2PU12
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; TAR DNA-binding protein-43
UniProt Protein Name	TAR DNA-binding protein 43
UniProt Gene Name	TARDBP
UniProt Synonym Gene Names	TDP43; TDP-43
UniProt Entry Name	TADBP_HUMAN

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/tdp-43-tarbdp-antibody-clone-k1b8-western-blot-immunohistochemistry-elisa/51810>