

Goat anti-Human TDP-43/TARDBP Polyclonal Antibody | anti-TARDBP antibody

TDP-43/TARDBP Goat anti-Human Polyclonal (aa140-153) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA163105	Goat	Human	Western Blot, ELISA, Immunohistochemistry

PRODUCT SYNONYMS

TDP-43/TARDBP; Polyclonal Antibody; TDP-43/TARDBP Goat anti-Human Polyclonal (aa140-153) Antibody; PathPlus TDP-43/TARDBP Antibody (aa140-153); TARDBP; ALS10; TAR DNA-binding protein-43; TDP-43; TAR DNA binding protein; TAR DNA-binding protein 43; TDP43; anti-TARDBP antibody

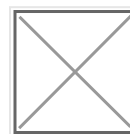
PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Human
Clonality	Polyclonal
Specificity	Human TARDBP.
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	TBS, pH7.3, 0.02% Sodium Azide, 0.5% BSA
Concentration	0.5mg/ml (varies by lot)
Applicable Applications for anti-TARDBP antibody	WB (Western Blot), ELISA (Peptide ELISA), IHC (Immunohistochemistry)
Target	Human TDP-43/TARDBP
Immunogen	Peptide with sequence C-HISNAEPKHNSNRQ, from the internal region of the protein sequence according to NP_031401.1.
Conjugation	Unconjugated
Epitope	aa140-153
Preparation and Storage	Aliquot and store at -20 degree C. Avoid freeze-thaw cycles.

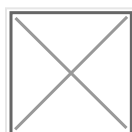
IMAGES


IHC (Immunohistochemistry)

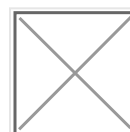
TDP-43/TARDBP Antibody-Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)


IHC (Immunohistochemistry)

TDP-43/TARDBP Antibody-Human Prostate: Formalin-Fixed, Paraffin-Embedded (FFPE)


IHC (Immunohistochemistry)

TDP-43/TARDBP Antibody-Human SmallIntestine: Formalin-Fixed, Paraffin-Embedded (FFPE)


WB (Western Blot)

TDP-43/TARDBP Antibody-Goat Anti-TARDBP Antibody (1ug/ml) staining of Human Cerebellum (A), Frontal Cotex (B) and Hippocampus (C) lysates (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-TARDBP antibody	TARDBP antibody is an unconjugated goat polyclonal antibody to human TARDBP (TDP-43)(aa140-153). Validated for IHC, Peptide-ELISA and WB. TARDBP (TAR DNA-binding protein 43, TDP-43) is a DNA and RNA-binding transcriptional repressor that regulates transcription and splicing. TARDBP is thought to be involved in microRNA biogenesis, apoptosis and cell division, and it can also repress HIV-1 transcription by binding to the HIV-1 long terminal repeat. It promotes CFTR exon 9 skipping, and the resulting aberrant splicing is associated with pathological features typical of cystic fibrosis. TARDBP binds to the mRNA of the neurofilament NEFL in spinal motor neurons, and it may be involved in regulating RNA transport, translation and stability in neurons in hippocampal dendrites. A pathogenic form of TARDBP plays a major role in frontotemporal dementia (FTLD-TDP) and amyotrophic lateral sclerosis (ALS). Furthermore, dysfunctional or upregulated TARDBP is found in Alzheimer's disease and in cases of chronic traumatic encephalopathy. In immunohistochemistry, TARDBP has high nuclear positivity in all tissues.
References	Journal of Neurochemistry. 105 (3): 797 -806, PMID: 18088371; Molecular and Cellular Neurosciences. 35 (2): 320 -7, PMID 17481916; Molecular and Cellular Neurosciences. 35 (2): 320 -7, PMID: 17481916; Transmission. 2018. 125 (4): 591 -613, PMID: 29417336; Journal of Neuropathology and Experimental Neurology. 70 (9): 788 -98, PMID: 21865887.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678271
NCBI GeneID	23435
NCBI Accession #	NP_031401.1
NCBI GenBank Nucleotide #	NM_007375
UniProt Accession #	Q13148; Q53H27; Q6FI92; Q96DJ0; A4GUK4; A4GUK5; A4GUK6; B2R629; E2PU12
Molecular Weight	414
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/polyclonal/tdp-43-tardbp-antibody-western-blot-peptide-elisa-immunohistochemistry-elisa/163105>