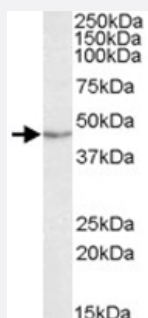


# TARDBP polyclonal antibody

Catalog # PAB11464      Size 100 ug

## Applications



### Western Blot (Cell lysate)

TARDBP polyclonal antibody (Cat # PAB11464) (0.3 ug/mL) staining of Jurkat lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Specification

**Product Description** Goat polyclonal antibody raised against synthetic peptide of TARDBP.

**Immunogen** A synthetic peptide corresponding to human TARDBP.

**Sequence** C-HISNAEPKHNSNRQ

**Host** Goat

**Theoretical MW (kDa)** 44.7

**Reactivity** Human, Mouse

**Form** Liquid

**Purification** Antigen affinity purification

**Concentration** 0.5 mg/mL

**Quality Control Testing** Antibody Reactive Against Synthetic Peptide.

**Recommend Usage**  
 ELISA (1:16000)  
 Western Blot (0.3-1 ug/mL)  
 The optimal working dilution should be determined by the end user.

<b>Storage Buffer</b>	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

TARDBP polyclonal antibody (Cat # PAB11464) (0.3 ug/mL) staining of Jurkat lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — TARDBP

<b>Entrez GeneID</b>	<a href="#">23435</a>
<b>Protein Accession#</b>	<a href="#">NP_031401.1</a>
<b>Gene Name</b>	TARDBP
<b>Gene Alias</b>	ALS10, TDP-43
<b>Gene Description</b>	TAR DNA binding protein
<b>Omim ID</b>	<a href="#">605078</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	HIV-1, the causative agent of acquired immunodeficiency syndrome (AIDS), contains an RNA genome that produces a chromosomally integrated DNA during the replicative cycle. Activation of HIV-1 gene expression by the transactivator Tat is dependent on an RNA regulatory element (TAR) located downstream of the transcription initiation site. The protein encoded by this gene is a transcriptional repressor that binds to chromosomally integrated TAR DNA and represses HIV-1 transcription. In addition, this protein regulates alternate splicing of the CFTR gene. A similar pseudogene is present on chromosome 20. [provided by RefSeq]
<b>Other Designations</b>	OTTHUMP00000002171 TAR DNA-binding protein-43

## Publication Reference

- [Activation of AMP-activated protein kinase  \$\alpha\$ 1 mediates mislocalization of TDP-43 in amyotrophic lateral sclerosis.](#)

Liu YJ, Ju TC, Chen HM, Jang YS, Lee LM, Lai HL, Tai HC, Fang JM, Lin YL, Tu PH, Chern Y.

Human Molecular Genetics 2015 Feb; 24(3):787.

Application: IF, WB-Ce, WB-Tr, Human, Mouse, Spinal cord, muscle, NSC34 cells

- [Skin disruption is associated with indomethacin-induced small intestinal injury in mice.](#)

Yokoyama S, Hiramoto K, Koyama M, Ooi K.

Experimental Dermatology 2014 Sep; 23(9):659.

- [Progranulin mediates caspase-dependent cleavage of TAR DNA binding protein-43.](#)

Zhang YJ, Xu YF, Dickey CA, Buratti E, Baralle F, Bailey R, Pickering-Brown S, Dickson D, Petrucelli L.

The Journal of Neuroscience 2007 Sep; 27(39):10530.

Application: IF, IHC, WB-Ce, WB-Ti, Human, HeLa, H4 cells, Brain

## Disease

- [Alzheimer Disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Chromosome Disorders](#)
- [Dementia](#)
- [Genetic Predisposition to Disease](#)
- [Neurodegenerative Diseases](#)
- [Parkinson disease](#)