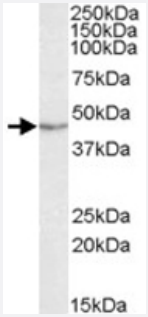
TARDBP polyclonal antibody

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.

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

Applications

- Enzyme-linked Immunoabsorbent Assay
- 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.

Gene Info — TARDBP

Entrez GeneID	23435
Protein Accession#	NP_031401.1
Gene Name	TARDBP
Gene Alias	ALS10, TDP-43
Gene Description	TAR DNA binding protein
Omim ID	605078
Gene Ontology	Hyperlink
Gene Summary	HIV-1, the causative agent of acquired immunodeficiency syndrome (AIDS), contains an RNA gen ome 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) lo cated downstream of the transcription initiation site. The protein encoded by this gene is a transcr iptional repressor that binds to chromosomally integrated TAR DNA and represses HIV-1 transcri ption. In addition, this protein regulates alternate splicing of the CFTR gene. A similar pseudogen e is present on chromosome 20. [provided by RefSeq
Other Designations	OTTHUMP00000002171|TAR DNA-binding protein-43

Publication Reference

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- Activation of AMP-activated protein kinase α1 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

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