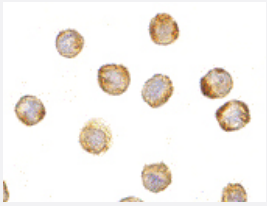
TARDBP polyclonal antibody

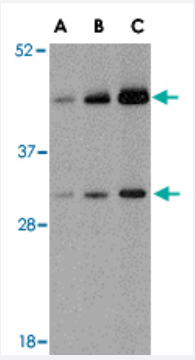
Catalog # PAB13283 Size 100 ug

Applications



Immunocytochemistry

Immunocytochemistry of TARDBP in HeLa cells with TARDBP polyclonal antibody (Cat # PAB13283) at 5 ug/mL .



Western Blot (Cell lysate)

Western blot analysis of TARDBP in HeLa cell lysate with TARDBP polyclonal antibody (Cat # PAB13283) at (A) 0.5, (B) 1 and (C) 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TARDBP.
Immunogen	A synthetic peptide corresponding to 15 amino acids near C-terminus of human TARDBP.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	At least two isoforms are known to exist for this protein; this TDP43 antibody will recognize both isoforms.
Form	Liquid

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Purification	Peptide affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (0.5-2 ug/mL) Immunocytochemistry (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°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

- Immunocytochemistry

  Immunocytochemistry of TARDBP in HeLa cells with TARDBP polyclonal antibody (Cat # PAB13283) at 5 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis of TARDBP in HeLa cell lysate with TARDBP polyclonal antibody (Cat # PAB13283) at (A) 0.5, (B) 1 and (C) 2 ug/mL .

Gene Info — TARDBP

Entrez GeneID	23435
Protein Accession#	ABO32290
Gene Name	TARDBP
Gene Alias	ALS10, TDP-43
Gene Description	TAR DNA binding protein
Omim ID	605078
Gene Ontology	Hyperlink

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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

- Ubiquitinated TDP-43 in frontotemporal lobar degeneration and amyotrophic lateral sclerosis.

  Neumann M, Sampathu DM, Kwong LK, Truax AC, Micsenyi MC, Chou TT, Bruce J, Schuck T, Grossman M, Clark CM, McCluskey LF, Miller BL, Masliah E, Mackenzie IR, Feldman H, Feiden W, Kretzschmar HA, Trojanowski JQ, Lee VM.

  Science 2006 Oct; 314(5796):130.

  Application: IF, IHC, WB-Ti, Human, Human brain

- Nuclear factor TDP-43 and SR proteins promote in vitro and in vivo CFTR exon 9 skipping.

  Buratti E, Dork T, Zuccato E, Pagani F, Romano M, Baralle FE.

  The EMBO Journal 2001 Apr; 20(7):1774.

  Application: IP, WB, Human, HeLa cells

- Cloning and characterization of a novel cellular protein, TDP-43, that binds to human immunodeficiency virus type 1 TAR DNA sequence motifs.

  Ou SH, Wu F, Harrich D, García-Martínez LF, Gaynor RB.

  Journal of Virology 1995 Jun; 69(6):3584.

  Application: WB-Ce, Human, HeLa cells

Disease

- Alzheimer Disease
- Amyotrophic lateral sclerosis
- Chromosome Disorders
- Dementia
- Genetic Predisposition to Disease

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- Neurodegenerative Diseases
- Parkinson disease

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