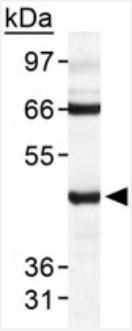
# TARDBP polyclonal antibody

Catalog # PAB12006 Size 100 uL

## Applications




### Western Blot (Cell lysate)

Western blot analysis of TARDBP in HeLa whole cell extract with TARDBP polyclonal antibody (Cat # PAB12006).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against synthetic peptide of TARDBP. |
| **Immunogen** | A synthetic peptide corresponding to amino acids 350-414 of human TARDBP. |
| **Host** | Rabbit |
| **Reactivity** | Chicken, Human, Mouse, Primates, Xenopus, Zebra fish |
| **Form** | Liquid |
| **Quality Control Testing** | Antibody Reactive Against Synthetic Peptide. |
| **Recommend Usage** | Western Blot (0.5-2 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In Tris-glycine, 150 mM NaCl (0.05% sodium azide) |
| **Storage Instruction** | Store at 4°C. Do not freeze. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

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## Applications

- Western Blot (Cell lysate)

  Western blot analysis of TARDBP in HeLa whole cell extract with TARDBP polyclonal antibody (Cat # PAB12006).

## Gene Info — TARDBP

| | |
|---|---|
| **Entrez GeneID** | 23435 |
| **Protein Accession#** | Q13148 |
| **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

- Reduced cellular Ca2+ availability enhances TDP-43 cleavage by apoptotic caspases.

  De Marco G, Lomartire A, Mandili G, Lupino E, Buccinna B, Ramondetti C, Moglia C, Novelli F, Piccinini M, Mostert M, Rinaudo MT, Chio A, Calvo A.

  Biochimica et Biophysica Acta 2014 Apr; 1843(4):725.

  Application: WB-Re, Recombinant protein

- Evidence of multisystem disorder in whole-brain map of pathological TDP-43 in amyotrophic lateral sclerosis.

  Geser F, Brandmeir NJ, Kwong LK, Martinez-Lage M, Elman L, McCluskey L, Xie SX, Lee VM, Trojanowski JQ.

  Archives of Neurology 2008 May; 65(5):636.

  Application: IF, IHC-P, Human, Brain and spinal cord from patients with amyotrophic lateral sclerosis

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- TDP-43 in familial and sporadic frontotemporal lobar degeneration with ubiquitin inclusions.

  Cairns NJ, Neumann M, Bigio EH, Holm IE, Troost D, Hatanpaa KJ, Foong C, White CL 3rd, Schneider JA, Kretzschmar HA, Carter D, Taylor-Reinwald L, Paulsmeyer K, Strider J, Gitcho M, Goate AM, Morris JC, Mishra M, Kwong LK, Stieber A, Xu Y, Forman MS, Trojanowski JQ, Lee VM, Mackenzie IR.

  The American Journal of Pathology 2007 Jul; 171(1):227.

  Application: IEM, IHC-P, WB, Human, Human brain

## Disease

- Alzheimer Disease
- Amyotrophic lateral sclerosis
- Chromosome Disorders
- Dementia
- Genetic Predisposition to Disease
- Neurodegenerative Diseases
- Parkinson disease

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