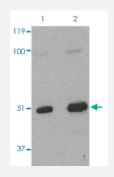


TARDBP polyclonal antibody

Catalog # PAB13284 Size 100 ug

Applications



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of L1210 cells with 2 ug/mL TARDBP polyclonal antibody (Cat # PAB13284).

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Immunocytochemistry

Immunocytochemistry of TARDBP in HeLa cells with TARDBP polyclonal antibody (Cat # PAB13284) at 5 ug/mL .

Specification	
Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TARDBP.
Immunogen	A synthetic peptide corresponding to 18 amino acids near internal region of human TARDBP.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	At least two isoforms are known to exist for this protein; this TDP43 antibody only recongizes the long er of the two isoforms.
Form	Liquid



Product Information

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 (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage 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

• Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of L1210 cells with 2 ug/mL TARDBP polyclonal antibody (Cat # PAB13284).

- Western Blot
- Immunocytochemistry

Immunocytochemistry of TARDBP in HeLa cells with TARDBP polyclonal antibody (Cat # PAB13284) at 5 ug/mL .

• Enzyme-linked Immunoabsorbent Assay

Gene Info — TARDBP		
Entrez GenelD	<u>23435</u>	
Protein Accession#	<u>ABO32290</u>	
Gene Name	TARDBP	
Gene Alias	ALS10, TDP-43	
Gene Description	TAR DNA binding protein	
Omim ID	<u>605078</u>	
Gene Ontology	Hyperlink	



Product Information

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

OTTHUMP0000002171 TAR DNA-binding protein-43

Publication Reference

<u>Ubiquitinated TDP-43 in frontotemporal lobar degeneration and amyotrophic lateral sclerosis.</u>

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

 <u>Cloning and characterization of a novel cellular protein, TDP-43, that binds to human immunodeficiency virus</u> 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
- <u>Amyotrophic lateral sclerosis</u>
- <u>Chromosome Disorders</u>
- Dementia
- Genetic Predisposition to Disease
- <u>Neurodegenerative Diseases</u>



Product Information

• Parkinson disease