

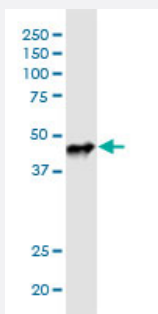
CX Grade

TARDBP monoclonal antibody (M01J), clone 2E2-D3

Catalog # H00023435-M01J

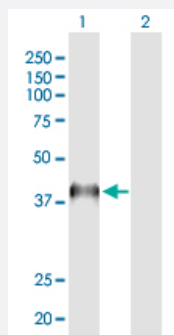
Size 100 ug

Applications



Western Blot (Cell lysate)

TARDBP monoclonal antibody (M01J), clone 2E2-D3. Western Blot analysis of TARDBP expression in A-431.

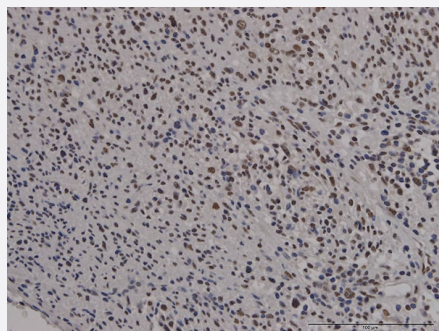


Western Blot (Transfected lysate)

Western Blot analysis of TARDBP expression in transfected 293T cell line by TARDBP monoclonal antibody (M01J), clone 2E2-D3.

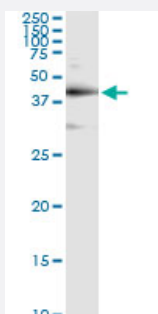
Lane 1: TARDBP transfected lysate (Predicted MW: 44.7 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to TARDBP on formalin-fixed paraffin-embedded human leiomyosarcoma. [antibody concentration 3 ug/ml]

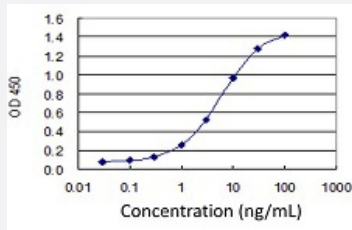


Immunoprecipitation

Immunoprecipitation of TARDBP transfected lysate using anti-TARDBP monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with TARDBP MaxPab rabbit polyclonal antibody.

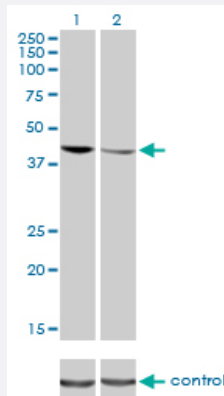
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TARDBP is 0.1 ng/ml as a capture antibody.



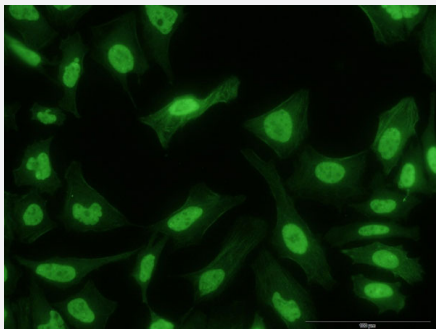
RNAi Knockdown (Antibody validated)

Western blot analysis of TARDBP over-expressed 293 cell line, cotransfected with TARDBP Validated Chimera RNAi (Cat # H00023435-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TARDBP monoclonal antibody (M01), clone 2E2-D3 (Cat # H00023435-M01). GAPDH (36.1 kDa) used as specificity and loading control.

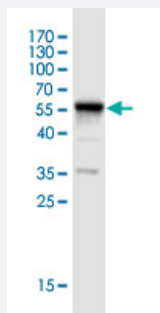


Immunofluorescence

Immunofluorescence of monoclonal antibody to TARDBP on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (54.34 KDa) .



Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant TARDBP.
This product is belong to Cell Culture Grade Antibody (CX Grade).

Immunogen	TARDBP (NP_031401.1, 1 a.a. ~ 260 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSEYIRVTEDENDIEIPSEDDGTVLLSTVTAQFPGACGLRYRNPVSQCMRGVRLVEGILHAPDA GWGNLVVYVNYPKDNKRKMDETDASSAVKVKRAVQKTSDLMLGLPWKTTEQDLKEYFSTFGEV LMVQVKKDLKTGHSGKGFVRFTEYETQVKVMSQRHMDGRWCDCKLPNSKQSQDEPLRSRKV FVGRCTEDMTEDELREFFSQYGDVMDVFIPKPFRAFAFVTFADDQIAQSLCGEDLIIGISVHISNA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96)
Preparation Method	Cell Culture Production
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (54.34 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

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[Protocol Download](#)

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

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Immunofluorescence of monoclonal antibody to TARDBP on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — TARDBP

Entrez GeneID [23435](#)

GeneBank Accession# [NM_007375.3](#)

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 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]

Other Designations

OTTHUMP00000002171|TAR DNA-binding protein-43

Disease

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