

Datasheet for ABIN2780849
anti-TARDBP antibody (C-Term)[Go to Product page](#)

6 Images

1 Publication

Overview

Quantity:	100 µL
Target:	TARDBP
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TARDBP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human TARDBP
Sequence:	MGMLASQQNQ SGPSGNNQNNQ GNMQREPNQA FGSGNNSYSG SNSGAAIGWG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against TARDBP. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	TARDBP
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Target Details

Alternative Name: TARDBP ([TARDBP Products](#))

Background: 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. TARDBP is a transcriptional repressor that binds to chromosomally integrated TAR DNA and represses HIV-1 transcription. 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. 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.

Alias Symbols: ALS10, TDP-43

Protein Interaction Partner: ZFAND2B, TARDBP, UBC, SUMO2, STAU1, SUMO3, RNF4, USP8, RBM45, RNF2, LSM6, UBE2E3, GNB2L1, MED6, RPA1, WWOX, RPA3, RPA2, PARK2, EED, BMI1, RBM39, BAG2, RPL23, DDX21, PRPF3, USP10, SART1, RPL14, H1FX, FUBP3, PABPC4, EIF4G3, EIF3I, EIF3H, EIF3C, EIF3B, EIF3A

Protein Size: 414

Molecular Weight: 45 kDa

Gene ID: 23435

NCBI Accession: [NM_007375](#), [NP_031401](#)

UniProt: [Q13148](#)

Pathways: [Positive Regulation of Peptide Hormone Secretion](#)

Application Details

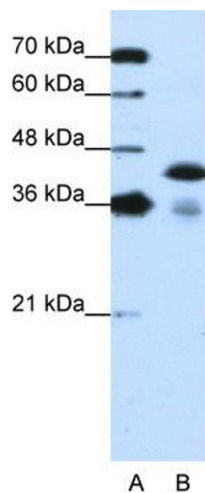
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 414 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

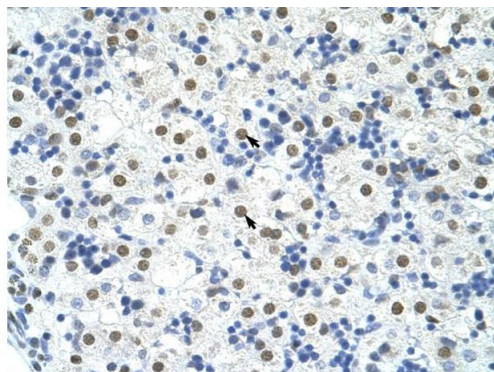
Publications

Product cited in:	Hayashi, Gekka, Goto-Omoto, Takeuchi, Kubo, Kitahara: "Novel NR2E3 mutations (R104Q, R334G) associated with a mild form of enhanced S-cone syndrome demonstrate compound heterozygosity." in: Ophthalmology , Vol. 112, Issue 12, pp. 2115, (2005) (PubMed).
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Western Blotting

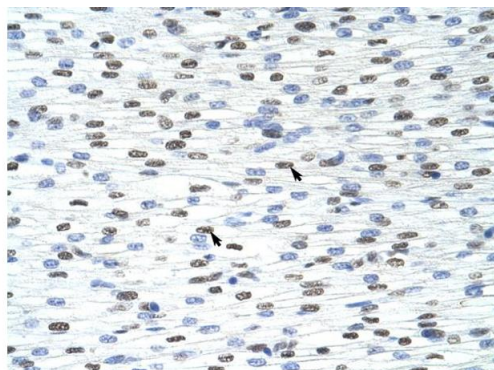
Image 1. WB Suggested Anti-TARDBP Antibody Titration: 1.25ug/ml Positive Control: Jurkat cell lysate TARDBP is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



Rabbit Anti-TARDBP Antibody
Catalog Number: ARP38942
Lot Number: QC10481
Paraffin Embedded Tissue: Human Liver
Cells with Positive label: Hepatocytes (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Human Liver



Rabbit Anti-TARDBP Antibody
Catalog Number: ARP38942
Lot Number: QC10481
Paraffin Embedded Tissue: Human Heart
Cells with Positive label: Myocardial cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 3. Human Heart

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2780849.