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Datasheet for ABIN2780848

## anti-TARDBP antibody (N-Term)

5 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	TARDBP
Binding Specificity:	N-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 N terminal region of human TARDBP
Sequence:	MSEYIRVTED ENDEPIEIPS EDDGTVLLST VTAQFPGACG LRYRNPVSQC
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

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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.

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

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Molecular Weight: 45 kDa

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Gene ID: 23435

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NCBI Accession: [NM\\_007375, NP\\_031401](#)

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UniProt: [Q13148](#)

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

## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 414 AA

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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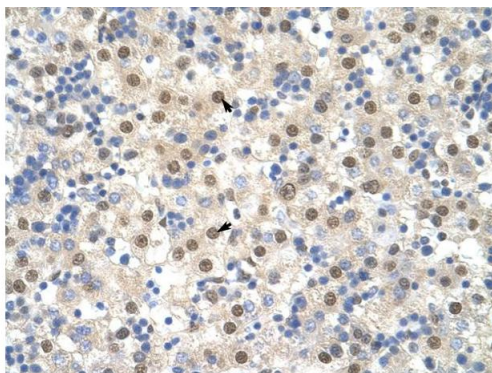
## Handling

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:	Antala, Ovchinnikov, Kamisetty, Baker, Dempksi: "Computation and Functional Studies Provide a Model for the Structure of the Zinc Transporter hZIP4." in: <b>The Journal of biological chemistry</b> , Vol. 290, Issue 29, pp. 17796-805, (2015) ( <a href="#">PubMed</a> ).
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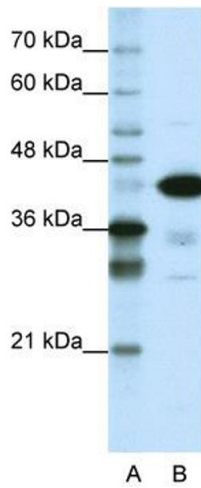
## Images



Rabbit Anti-TARDBP Antibody  
Catalog Number: ARP38941  
Lot Number: QC10080  
Paraffin Embedded Tissue: Human Liver  
Cells with Positive label: Hepatocytes (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X

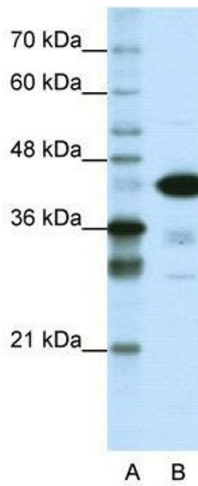
### Immunohistochemistry

**Image 1.** Human Liver



### Western Blotting

**Image 2.** WB Suggested Anti-TARDBP Antibody Titration: 1.25ug/ml Positive Control: HepG2 cell lysate TARDBP is supported by BioGPS gene expression data to be expressed in HepG2



### Western Blotting

**Image 3.** WB Suggested Anti-TARDBP Antibody Titration: 1.25 µg/mL Positive Control: HepG2 cell lysate TARDBP is supported by BioGPS gene expression data to be expressed in HepG2

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2780848.