

Datasheet for ABIN2776487

anti-TARDBP antibody (N-Term)



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3 Images

Overview

Quantity:	100 µL
Target:	TARDBP
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Zebrafish (Danio rerio), Horse, Guinea Pig, Rabbit
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:	VYVVNYPKDN KRKMDETDAS SAVKVKRAVQ KTS DLIVLGL PWKTTEQDLK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against TARDBP. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: TDP-43, ALS10 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

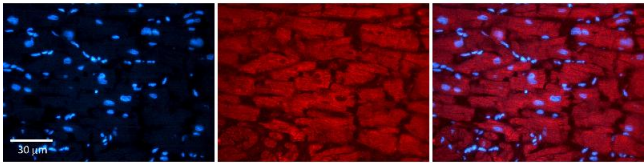
Application Details

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

Handling

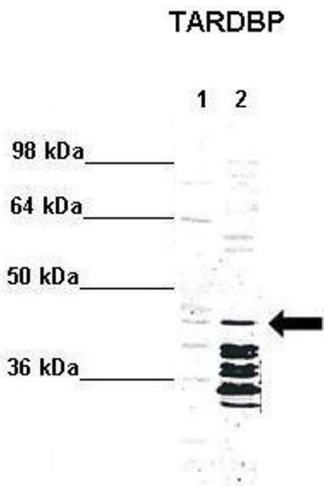
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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.

Images



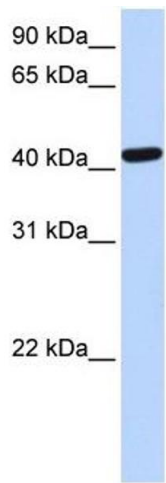
Immunohistochemistry

Image 1. Rabbit Anti-TARDBP Antibody Catalog Number: ARP35838_P050 Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec



Western Blotting

Image 2. WB Suggested Anti-TARDBP Antibody Positive Control: Lane 1: 5ug mouse brain cytoplasm Lane 2: 5ug mouse brain nucleus Primary Antibody Dilution : 1:1000 Secondary Antibody : Anti rabbit - IR-dye Secondary Antibody Dilution : 1:10,000 Submitted by: Anonymous



Western Blotting

Image 3. WB Suggested Anti-TARDBP Antibody Titration:
0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human
Liver