

Datasheet for ABIN2775191
anti-DDX5 antibody (C-Term)[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	DDX5
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDX5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human DDX5
Sequence:	SFGSNFVSAG IQTSFRTGNP TGTQNGYDS TQQYGSNVPN MHNGMNQQAY
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against DDX5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	DDX5
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Target Details

Alternative Name:	DDX5 (DDX5 Products)
Background:	<p>DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. DDX5 encodes a DEAD box protein, which is a RNA-dependent ATPase, and also a proliferation-associated nuclear antigen, specifically reacting with the simian virus 40 tumor antigen. DDX5 consists of 13 exons, and alternatively spliced transcripts containing several intron sequences have been detected, but no isoforms encoded by these transcripts have been identified.</p> <p>Alias Symbols: p68, HLR1, G17P1, HUMP68</p> <p>Protein Interaction Partner: FUS, ESR1, DROSHA, MAPKAPK2, UBC, TP53, TUBGCP3, AURKB, SPRTN, AURKA, SUMO2, SUMO3, MDM2, CEP250, STAU1, RPA3, RPA2, RPA1, EED, EZH2, RNF2, SUZ12, rev, DDX17, PABPC4, PRPSAP1, PIN1, LRSAM1, FKBP10, ERO1L, DBNL, WDR4, PARK2, FBXO6, MAPK10, SP1, TARDBP, UBD</p> <p>Protein Size: 614</p>
Molecular Weight:	68 kDa
Gene ID:	1655
NCBI Accession:	NM_004396 , NP_004387
UniProt:	P17844
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling , Nuclear Hormone Receptor Binding , Regulation of Muscle Cell Differentiation , Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 614 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
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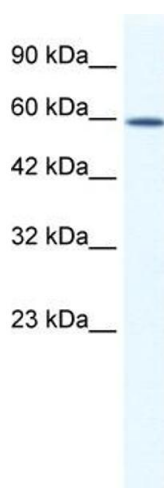
Handling

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

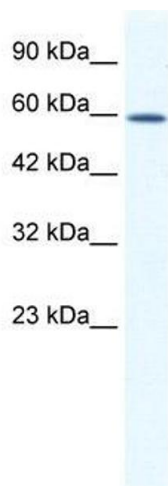
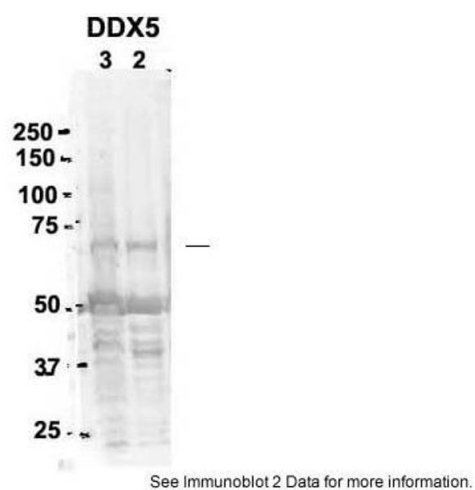
Product cited in:	Storrs, Silverstein: "PATJ, a tight junction-associated PDZ protein, is a novel degradation target of high-risk human papillomavirus E6 and the alternatively spliced isoform 18 E6." in: Journal of virology , Vol. 81, Issue 8, pp. 4080-90, (2007) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-DDX5 Antibody Titration: 1.25ug/ml ELISA Titer: 1:1562500 Positive Control: Jurkat cell lysate DDX5 is supported by BioGPS gene expression data to be expressed in Jurkat



Western Blotting

Image 2. Sample Type: 2. mouse brain extracts (80ug)

3. rat brain extract (80ug)

Primary Antibody Dilution: 2ug/ml

Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR Bioscience

Secondary Antibody Dilution: 1: 20,000

Image Submitted by: Yuzhi Chen

University of Arkansas for Medical Science

Western Blotting

Image 3. WB Suggested Anti-DDX5

Antibody Titration: 1.25 µg/mL ELISA Titer: 1:1562500

Positive Control: Jurkat cell lysate

DDX5 is supported by BioGPS gene expression data to be expressed in Jurkat