

Datasheet for ABIN2775181
anti-DHX9 antibody (N-Term)

3 Images

1 Publication

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	DHX9
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Rabbit, Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DHX9 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 DHX9
Sequence:	GLHGNWTLEN AKARLNQYFQ KEKIQGEYKY TQVGPDHNRS FIAEMTIYIK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against DHX9. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	DHX9
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Target Details

Alternative Name: DHX9 ([DHX9 Products](#))

Background: 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. DHX9 is a DEAD box protein with RNA helicase activity. It may participate in melting of DNA:RNA hybrids, such as those that occur during transcription, and may play a role in X-linked gene expression. 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. This gene encodes a DEAD box protein with RNA helicase activity. It may participate in melting of DNA:RNA hybrids, such as those that occur during transcription, and may play a role in X-linked gene expression. It contains 2 copies of a double-stranded RNA-binding domain, a DEXH core domain and an RGG box. The RNA-binding domains and RGG box influence and regulate RNA helicase activity.

Alias Symbols: DDX9, LKP, NDH II, NDHII, RHA, NDH2

Protein Interaction Partner: UBC, PA2G4, FBXW11, AURKA, SUMO2, SUMO3, MDM2, CEP250, SART3, STAU1, IVNS1ABP, EIF2AK2, LGR4, SUMO1, WWOX, RPA3, RPA2, RPA1, SUZ12, EED, EZH2, RNF2, rev, DDX1, APBB1, ABCF1, FLII, PRPF40A, C14orf166, RTCB, RPL26L1, NELFB, HNRNPA0, IGF2BP3, LRRFIP1, MAP7,

Protein Size: 1279

Molecular Weight: 141 kDa

Gene ID: 1660

NCBI Accession: [NM_001357](#), [NP_001348](#)

UniProt: [Q08211](#)

Application Details

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

Comment: Antigen size: 1279 AA

Restrictions: For Research Use only

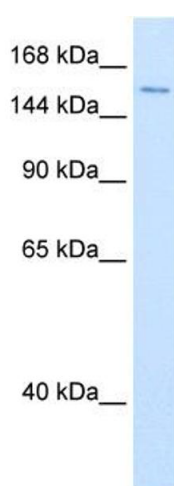
Handling

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

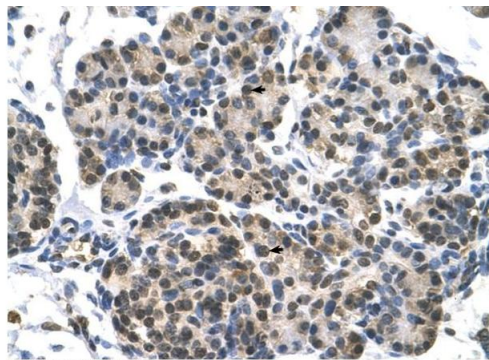
Product cited in:	Storrs, Silverstein: "PATJ, a tight junction-associated PDZ protein, is a novel degradation target of high-risk human papillomavirus E6 and the alternatively spliced isoform 18 E6." in: Journal of virology , Vol. 81, Issue 8, pp. 4080-90, (2007) (PubMed).
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Images



Western Blotting

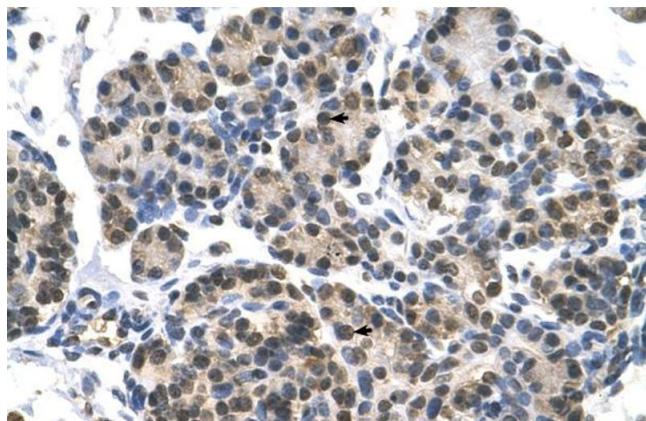
Image 1. WB Suggested Anti-DHX9 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Transfected 293T



Rabbit Anti-DHX9 Antibody
Catalog Number: ARP36343
Lot Number: QC5984
Paraffin Embedded Tissue: Human Pancreas
Cells with Positive label: Epithelial cells of pancreatic acinus (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Human Pancreas



Immunohistochemistry

Image 3. Human Pancreas