

Rabbit DHX9 Polyclonal Antibody | anti-DHX9 antibody

DHX9 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288103	Rabbit	Human (Predicted Reactivity: Bovine)	Western Blot, Immunohistochemistry, ELISA, Immunofluorescence

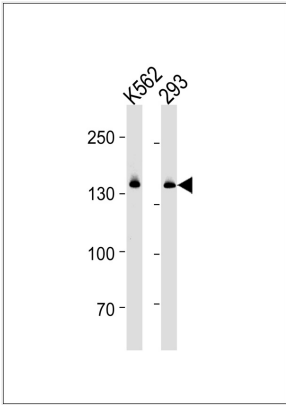
PRODUCT SYNONYMS

DHX9; Polyclonal Antibody; DHX9 Antibody (N-term); ATP-dependent RNA helicase A; RHA; DEAH box protein 9; Leukophysin; LKP; Nuclear DNA helicase II; NDH II; DDX9; NDH2; anti-DHX9 antibody

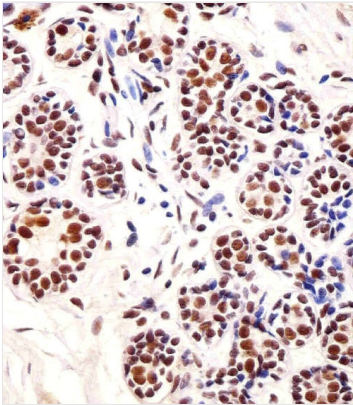
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DHX9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human DHX9.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	1-30
Sequence Length	1270
Applicable Applications for anti-DHX9 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA, IF (Immunofluorescence)
Fucntion	Unwinds double-stranded DNA and RNA in a 3' to 5' direction. Alteration of secondary structure may subsequently influence interactions with proteins or other nucleic acids. Functions as a transcriptional activator. Component of the CRD- mediated complex that promotes MYC mRNA stability. Involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2. As component of a large PER complex is involved in the inhibition of 3' transcriptional termination of circadian target genes such as PER1 and NR1D1 and the control of the circadian rhythms. Positively regulates HIV-1 LTR-directed gene expression.
Cellular Location	Nucleus, nucleolus. Cytoplasm. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Can shuttle between nucleus and cytoplasm
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

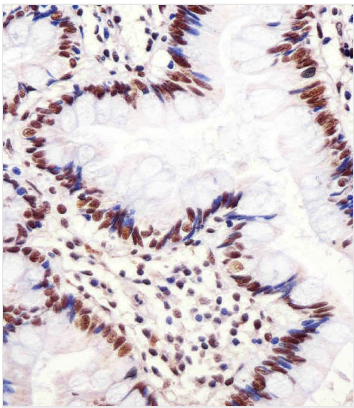
IMAGES



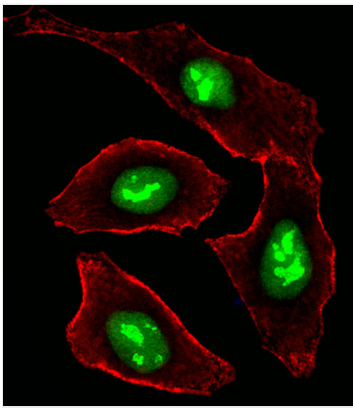
WB (Western Blot)
DHX9 Antibody (N-term) western blot analysis in K562 and 293 cell line lysates (35ug/lane).This demonstrates the DHX9 antibody detected the DHX9 protein (arrow).



IHC (Immunohistochemisry)
Immunohistochemical analysis of paraffin-embedded H. breast section using DHX9 Antibody (N-term). AAA288103 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



IHC (Immunohiostchemistry)
Immunohistochemical analysis of paraffin-embedded H. colon section using DHX9 Antibody (N-term). AAA288103 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



IF (Immunofluorescence)
Fluorescent image of A549 cells stained with DHX9 Antibody (N-term). AAA288103 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).

ADDITIONAL INFORMATION

Related Product Information for anti-DHX9 antibody	Unwinds double-stranded DNA and RNA in a 3' to 5' direction. Alteration of secondary structure may subsequently influence interactions with proteins or other nucleic acids. Functions as a transcriptional activator. Component of the CRD-mediated complex that promotes MYC mRNA stability. Involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2.
Product Categories/Family for anti-DHX9 antibody	Crown Antibodies
References	Lee C.-G., et al. J. Biol. Chem. 268:16822-16830(1993). Abdelhaleem M.M., et al. J. Immunol. 156:2026-2035(1996). Zhang S., et al. J. Biol. Chem. 272:11487-11494(1997). Goshima N., et al. Nat. Methods 5:1011-1017(2008). Gregory S.G., et al. Nature 441:315-321(2006).

NCBI AND UNIPROT INFORMATION

NCBI GI #	100913206
NCBI GeneID	1660
NCBI Accession #	NP_001348.2

NCBI GenBank Nucleotide #	NM_001357.4
UniProt Accession #	Q08211 ; Q05CI5 ; Q12803 ; Q32Q22 ; Q5VY62 ; Q6PD69 ; Q99556 ; B2RNV4
Molecular Weight	140958
NCBI Official Full Name	ATP-dependent RNA helicase A
NCBI Official Synonym Full Names	DEAH (Asp-Glu-Ala-His) box helicase 9
NCBI Official Symbol	DHX9
NCBI Official Synonym Symbols	LKP; RHA; DDX9; NDH2; NDHII
NCBI Protein Information	ATP-dependent RNA helicase A
UniProt Protein Name	ATP-dependent RNA helicase A
UniProt Gene Name	DHX9
UniProt Synonym Gene Names	DDX9; LKP; NDH2; RHA; LKP; NDH II
UniProt Entry Name	DHX9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/dhx9-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/288103>