

ARG55361 anti-DHX9 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DHX9
Tested Reactivity	Hu
Predict Reactivity	Bov
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DHX9
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 1-30 (N-terminus) of Human DHX9.
Conjugation	Un-conjugated
Alternate Names	NDHII; Nuclear DNA helicase II; Leukophysin; ATP-dependent RNA helicase A; NDH2; NDH II; EC 3.6.4.13; RHA; DEAH box protein 9; DDX9; LKP

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:25
	IHC-P	1:25
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	293	

Properties

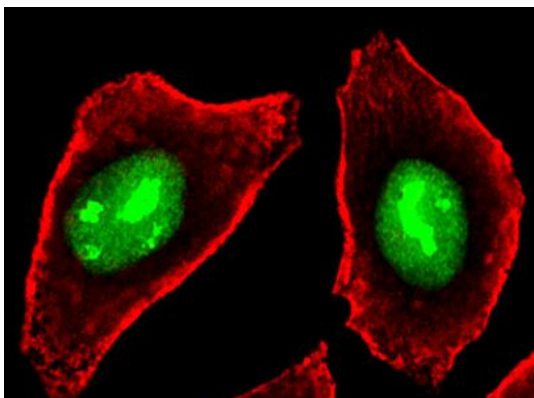
Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

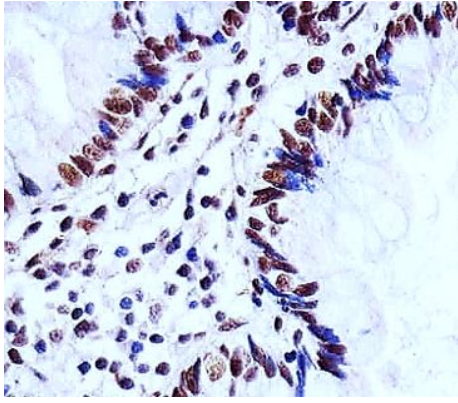
Database links	GeneID: 1660 Human Swiss-port # Q08211 Human
Gene Symbol	DHX9
Gene Full Name	DEAH (Asp-Glu-Ala-His) box helicase 9
Background	This gene encodes a member of the DEAH-containing family of RNA helicases. The encoded protein is an enzyme that catalyzes the ATP-dependent unwinding of double-stranded RNA and DNA-RNA complexes. This protein localizes to both the nucleus and the cytoplasm and functions as a transcriptional regulator. This protein may also be involved in the expression and nuclear export of retroviral RNAs. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 11 and 13.[provided by RefSeq, Feb 2010]
Function	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. [UniProt]
Research Area	Gene Regulation antibody
Calculated Mw	141 kDa
PTM	Methylated. HRMT1L2 mediated methylation of undefined Arg residues in the NTD is required for nuclear localization. May be phosphorylated by PRKDC/XRCC7. Phosphorylated by EIF2AK2/PKR and this phosphorylation perturbs its association with dsRNA.
Cellular Localization	Nucleus, nucleolus. Cytoplasm. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Can shuttle between nucleus and cytoplasm

Images



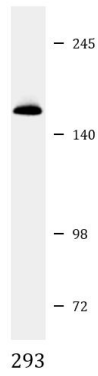
ARG55361 anti-DHX9 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG55361 anti-DHX9 antibody (green) at 1:25 dilution. Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



ARG55361 anti-DHX9 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon section stained with ARG55361 anti-DHX9 antibody at 1:25 dilution.



ARG55361 anti-DHX9 antibody WB image

Western blot: 35 μ g of 293 cell lysate stained with ARG55361 anti-DHX9 antibody.