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anti-DDX42 antibody (N-Term)





Overview

Quantity:	100 μL	
Target:	DDX42	
Binding Specificity:	N-Term	
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This DDX42 antibody is un-conjugated	
Application:	Western Blotting (WB)	

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human DDX42	
Sequence:	PLEAFMAEVE DQAARDMKRL EEKDKERKNV KGIRDDIEEE DDQEAYFRYM	
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 DDX42. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Affinity Purified	

Target Details

Target:	DDX42		

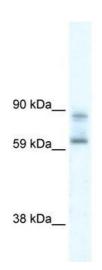
Target Details

Alternative Name:	DDX42 (DDX42 Products)		
Background:	DDX42 is a member of the Asp-Glu-Ala-Asp (DEAD) box protein family. Members of this protein		
	family are putative RNA helicases, and 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. Members of this family are		
	believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division.		
	DDX42 is a ATP-dependent RNA helicase. DDX42 binds to partially double-stranded RNAs		
	(dsRNAs) in order to unwind RNA secondary structures. It also mediates RNA duplex formatio		
	thereby displacing the single-strand RNA binding protein. This gene encodes a member of the		
	Asp-Glu-Ala-Asp (DEAD) box protein family. Members of this protein family are putative RNA		
	helicases, and 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. Members of this family are believed to be involved in		
	embryogenesis, spermatogenesis, and cellular growth and division. Two transcript variants		
	encoding the same protein have been identified for this gene.		
	Alias Symbols: FLJ43179, RHELP, RNAHP, SF3b125		
	Protein Interaction Partner: FUS, UBC, SUMO1, EED, SHFM1, FBXO25, LMNA, PRPF19, U2SURF		
	SF3A1, SF3B4, SNRPC, ITGA4, DHX15, PIN4, KAL1, EPRS, APP, PHF20, NOSIP, RPL36, FOXJ3,		
	TCERG1, SYNCRIP, RPS6KA4, SUMO3, ISG15, SIRT7, SF3A2, MEPCE, RUVBL2, RUVBL1,		
	RECQL5, SF3B1,		
	Protein Size: 938		
Molecular Weight:	103 kDa		
Gene ID:	11325		
NCBI Accession:	NM_007372, NP_031398		
UniProt:	Q86XP3		
Application Details			
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.		
Comment:	Antigen size: 938 AA		
	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



Western Blotting

Image 1. WB Suggested Anti-DDX42 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Human Thymus