

Rabbit anti-Human, Mouse DDX42 Polyclonal Antibody | anti-DDX42 antibody

DDX42 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327869	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

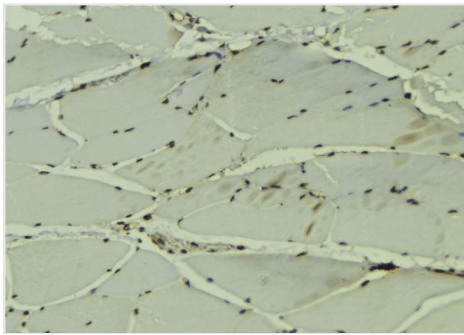
PRODUCT SYNONYMS

DDX42; Polyclonal Antibody; DDX42 Antibody; ATP-dependent RNA helicase DDX42; DEAD (Asp-Glu-Ala-Asp) box polypeptide 42; DEAD box polypeptide 42 protein; DEAD box protein 42; EC 3.6.1.-; FLJ43179; RHELP; RNA helicase-like protein; RNA helicase-related protein; RNAHP; SF3b DEAD-box protein; SF3b125; SF3b125 DEAD-box protein; Splicing factor 3B-associated 125 kDa protein; anti-DDX42 antibody

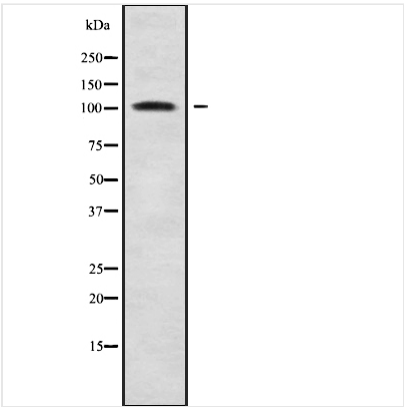
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	DDX42 antibody detects endogenous levels of total DDX42
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	938
Applicable Applications for anti-DDX42 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DDX42
Subcellular Location	Nucleus
Tissue Specificity	Expressed in several cell lines (at protein level). Expressed in liver, lung, tonsil, thymus, muscle and pancreatic islets.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327869 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of DDX42 using HuvEc whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-DDX42 antibody	Function: ATP-dependent RNA helicase. Binds to partially double-stranded RNAs (dsRNAs) in order to unwind RNA secondary structures. Unwinding is promoted in the presence of single-strand binding proteins. Mediates also RNA duplex formation thereby displacing the single-strand RNA binding protein. ATP and ADP modulate its activity: ATP binding and hydrolysis by DDX42 triggers RNA strand separation, whereas the ADP-bound form of the protein triggers annealing of complementary RNA strands. Involved in the survival of cells by interacting with TP53BP2 and thereby counteracting the apoptosis-stimulating activity of TP53BP2. Relocalizes TP53BP2 to the cytoplasm. Subunit Structure: Component of splicing factor SF3B complex which is composed of at least eight subunits; SF3B1, SF3B2, SF3B3, SF3B4, SF3B5, SF3B6, PHF5A/SF3B14B, and DDX42/SF3B125. Interacts (via the C-terminus) with TP53BP2; the interaction is not inhibited by TP53BP2 ubiquitination and is independent of p53/TP53. Similarity: Belongs to the DEAD box helicase family. DDX42 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45446743
NCBI GeneID	11325
NCBI Accession #	NP_031398.2
NCBI GenBank Nucleotide #	NM_007372.3
UniProt Accession #	Q86XP3; O75619; Q68G51; Q96BK1; Q96HR7; Q9Y3V8; A6NML1; A8KA43
Molecular Weight	Observed: 103 kDa Predicted: 103 kDa
NCBI Official Full Name	ATP-dependent RNA helicase DDX42
NCBI Official Synonym Full Names	DEAD-box helicase 42
NCBI Official Symbol	DDX42
NCBI Official Synonym Symbols	RHELP; RNAHP; SF3B8; DDX42P; SF3b125
NCBI Protein Information	ATP-dependent RNA helicase DDX42
UniProt Protein Name	ATP-dependent RNA helicase DDX42
UniProt Gene Name	DDX42
UniProt Synonym Gene Names	RHELP; RNAHP; SF3b125

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.

