

Human ATP dependent RNA helicase DDX42 (DDX42) ELISA Kit | DDX42 elisa kit

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CATALOG #
AAA246147

REACTIVITY
Human

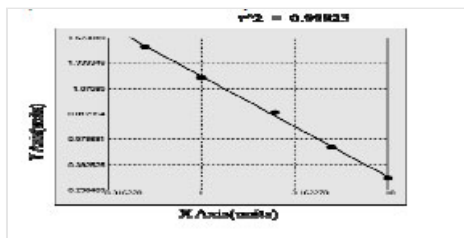
PRODUCT SYNONYMS

ATP dependent RNA helicase DDX42 (DDX42); Human ATP dependent RNA helicase DDX42 (DDX42) ELISA Kit; DDX42 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DDX42 elisa kit

Intended Uses: This DDX42 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DDX42. This ELISA kit for research use only!

Principle of the Assay||DDX42 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DDX42 antibody and an DDX42-HRP conjugate. The assay sample and buffer are incubated together with DDX42-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the DDX42 concentration since DDX42 from samples and DDX42-HRP conjugate compete for the anti-DDX42 antibody binding site. Since the number of sites is limited, as more sites are occupied by DDX42 from the sample, fewer sites are left to bind DDX42-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DDX42 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for DDX42 elisa kit

Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	45446747
NCBI GeneID	11325
NCBI Accession #	NP_987095.1
NCBI GenBank Nucleotide #	NM_203499.2
Molecular Weight	90,068 Da
NCBI Official Full Name	ATP-dependent RNA helicase DDX42
NCBI Official Synonym Full Names	DEAD (Asp-Glu-Ala-Asp) box helicase 42
NCBI Official Symbol	DDX42
NCBI Official Synonym Symbols	RHELP; RNAHP; SF3B8; DDX42P; SF3b125
NCBI Protein Information	ATP-dependent RNA helicase DDX42; SF3b DEAD box protein; splicing factor 3b, subunit 8; DEAD (Asp-Glu-Ala-Asp) box polypeptide 42; splicing factor 3B-associated 125 kDa protein
UniProt Protein Name	ATP-dependent RNA helicase DDX42
UniProt Gene Name	DDX42
UniProt Synonym Gene Names	RHELP; RNAHP; SF3b125
UniProt Entry Name	DDX42_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/atp-dependent-rna-helicase-ddx42-ddx42/246147>