Datasheet for ABIN2719282

DDX3X Protein (Myc-DYKDDDDK Tag)

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Overview

Quantity:	20 µg
Target:	DDX3X
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDX3X protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human DDX3X protein expressed in HEK293 cells. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	DDX3X
Alternative Name:	Ddx3x (DDX3X Products)
Background:	The protein encoded by this gene is a member of the large DEAD-box protein family, that is defined by the presence of the conserved Asp-Glu-Ala-Asp (DEAD) motif, and has ATP-dependent RNA helicase activity. This protein has been reported to display a high level of RNA-independent ATPase activity, and unlike most DEAD-box helicases, the ATPase activity is thought to be stimulated by both RNA and DNA. This protein has multiple conserved domains

Target Details

	and is thought to play roles in both the nucleus and cytoplasm. Nuclear roles include transcriptional regulation, mRNP assembly, pre-mRNA splicing, and mRNA export. In the cytoplasm, this protein is thought to be involved in translation, cellular signaling, and viral replication. Misregulation of this gene has been implicated in tumorigenesis. This gene has a paralog located in the nonrecombining region of the Y chromosome. Pseudogenes sharing similarity to both this gene and the DDX3Y paralog are found on chromosome 4 and the X chromosome. Alternative splicing results in multiple transcript variants.
Molecular Weight:	73.1 kDa
NCBI Accession:	NP_001347
Pathways:	Ribonucleoprotein Complex Subunit Organization, Positive Regulation of Endopeptidase Activity , Negative Regulation of intrinsic apoptotic Signaling, Ribosome Assembly

Application Details

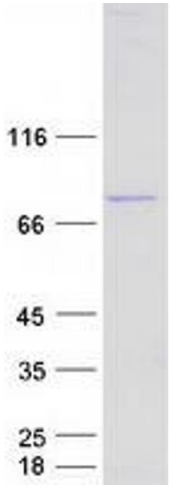
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in:	Liberman, Gandin, Svitkin, David, Virgili, Jaramillo, Holcik, Nagar, Kimchi, Sonenberg: "DAP5 associates with eIF2β and eIF4AI to promote Internal Ribosome Entry Site driven translation." in: **Nucleic acids research**, Vol. 43, Issue 7, pp. 3764-75, (2015) (PubMed).



Western Blotting

Image 1. Validation with Western Blot

