SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-DDX23 antibody

SL12199R

Product Name:	DDX23
Chinese Name:	三磷酸腺苷依赖解旋酶DDX23抗体
Alias:	100 kDa U5 snRNP-specific protein; DEAD box protein 23; EC 3.6.1.-; PRP28 homolog; U5-100kD; DDX23_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	96kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DDX23:201-300/820
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	DDX23 encodes a member of the DEAD box protein family. DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They 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. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis,

	spermatogenesis, and cellular growth and division. The protein encoded by this gene is a component of the U5 snRNP complex; it may facilitate conformational changes in the spliceosome during nuclear pre-mRNA splicing. An alternatively spliced transcript variant has been found for this gene, but its biological validity has not been determined. **Function:** Involved in pre-mRNA splicing and its phosphorylated form (by SRPK2) is required for spliceosomal B complex formation. **Subunit:** The phosphorylated form (by SRPK2) associates wth tri-snRNP (U4/U6-U5 tri-small nuclear ribonucleoproteins). Identified in the spliceosome C complex. Interacts with ERBB4. **Subcellular Location:** Nuclear **Post-translational modifications:** In vitro phosphorylated by CLK1 and U1 snRNP-associated protein kinase. Phosphorylated by SRPK2 and this phosphorylation is required for its association with the tri-snRNP (U4/U6-U5 tri-small nuclear ribonucleoproteins) and subsequent spliceosomal B complex formation. [SIMILARITY] Belongs to the DEAD box helicase family. DDX23/PRP28 subfamily. **Similarity:** Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain. **SWISS:** Q9BUQ8 **Gene ID:** 9416 **Database links:** Entrez Gene: 9416Human Entrez Gene: 74351Mouse Entrez Gene: 300208Rat Entrez Gene: 334283Zebrafish Omim: 612172Human SwissProt: Q9BUQ8Human

	Unigene: 130098Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.