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

# Rabbit Anti-DDX56 antibody

SL14237R

| | |
|---|---|
| **Product Name** | DDX56 |
| **Chinese Name** | ATP 依赖 RNA 解旋酶 DDX56 抗体 |
| **Alias** | 61 kd nucleolar helicase; ATP-dependent 61 kDa nucleolar RNA helicase; DDX21; DDX26; Ddx56; DDX56_HUMAN; DEAD (Asp-Glu-Ala-Asp) box helicase 56; DEAD (Asp-Glu-Ala-Asp) box polypeptide 56; DEAD box protein 21; DEAD box protein 56; DEAD box RNA helicase; DEAD/H box 56; NOH61; Nucleolar helicase of 61 kDa; Probable ATP-dependent RNA helicase DDX56; Putative nucleolar RNA helicase; 8] |
| **Research Area** | Developmental biology Cell differentiation Epigenetics |
| **Immunogen Species** | Rabbit |
| **Clonality** | Polyclonal |
| **React Species** | (predicted: Human, Mouse, Rat, Cow, Horse, Sheep, ) |
| **Applications** | IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000<br>（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Theoretical molecular weight** | 62kDa |
| **Cellular localization** | The nucleus |
| **Form** | Liquid |
| **Concentration** | 1mg/ml |
| **immunogen** | KLH conjugated synthetic peptide derived from human DDX56: 41-140/547 |
| **Lsotype** | IgG |
| **Purification** | affinity purified by Protein A |
| **Buffer Solution** | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. |
| **Storage** | Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Attention** | This product as supplied is intended for research use only, not for use in human, therapeutic or |

diagnostic applications.

**PubMed** PubMed

This gene 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 shows ATPase activity in the presence of polynucleotides and associates with nucleoplasmic 65S preribosomal particles. This gene may be involved in ribosome synthesis, most likely during assembly of the large 60S ribosomal subunit. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2012]

**Product Detail**

**Function:**
May play a role in later stages of the processing of the pre-ribosomal particles leading to mature 60S ribosomal subunits. Has intrinsic ATPase activity.

**Subcellular Location:**
Nucleus; nucleolus.

**Tissue Specificity:**
Detected in heart, brain, liver, pancreas, placenta and lung.

**Post-translational modifications:**
Phosphorylated upon DNA damage, probably by ATM or ATR.

**Similarity:**
Belongs to the DEAD box helicase family. DDX56/DBP9 subfamily.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.

**SWISS:**
Q9NY93

**Gene ID:**
54606

**Database links:**

Entrez Gene: 54606 Human

Omim: 608023 Human

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

SwissProt: Q9NY93 Human

Unigene: 654762 Human