

## Rabbit Anti-DDX21 antibody

SL14218R

<b>Product Name</b>	DDX21
<b>Chinese Name</b>	DDX21 抗体
<b>Alias</b>	Ddx21; DDX21_HUMAN; DEAD box protein 21; Gu alpha; Gu-alpha; Nucleolar RNA helicase 2; Nucleolar RNA helicase Gu; Nucleolar RNA helicase II; RH II/Gu.
<b>Research Area</b>	transcriptional regulatory factor Transporter Epigenetics
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Rat(predicted:Human,Mouse,Dog,Horse,Rabbit) IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	87kDa
<b>Cellular localization</b>	The nucleus
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human DDX21: 551-650/783
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Buffer Solution</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>PubMed</b>	<a href="#">PubMed</a>
<b>Product</b>	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD),

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**Detail**

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. This gene encodes a DEAD box protein, which is an antigen recognized by autoimmune antibodies from a patient with watermelon stomach disease. This protein unwinds double-stranded RNA, folds single-stranded RNA, and may play important roles in ribosomal RNA biogenesis, RNA editing, RNA transport, and general transcription. [provided by RefSeq, Jul 2008]

**Function:**

Can unwind double-stranded RNA (helicase) and can fold or introduce a secondary structure to a single-stranded RNA (foldase). Functions as cofactor for JUN-activated transcription. Involved in rRNA processing.

**Subcellular Location:**

Nucleus.

**Similarity:**

Belongs to the DEAD box helicase family. DDX21/DDX50 subfamily.  
Contains 1 helicase ATP-binding domain.  
Contains 1 helicase C-terminal domain.

**SWISS:**

Q9NR30

**Gene ID:**

9188

**Database links:**

[Entrez Gene: 9188](#) Human

[Entrez Gene: 781917](#) Cow

[Entrez Gene: 317399](#) Rat

[Omim: 606357](#) Human

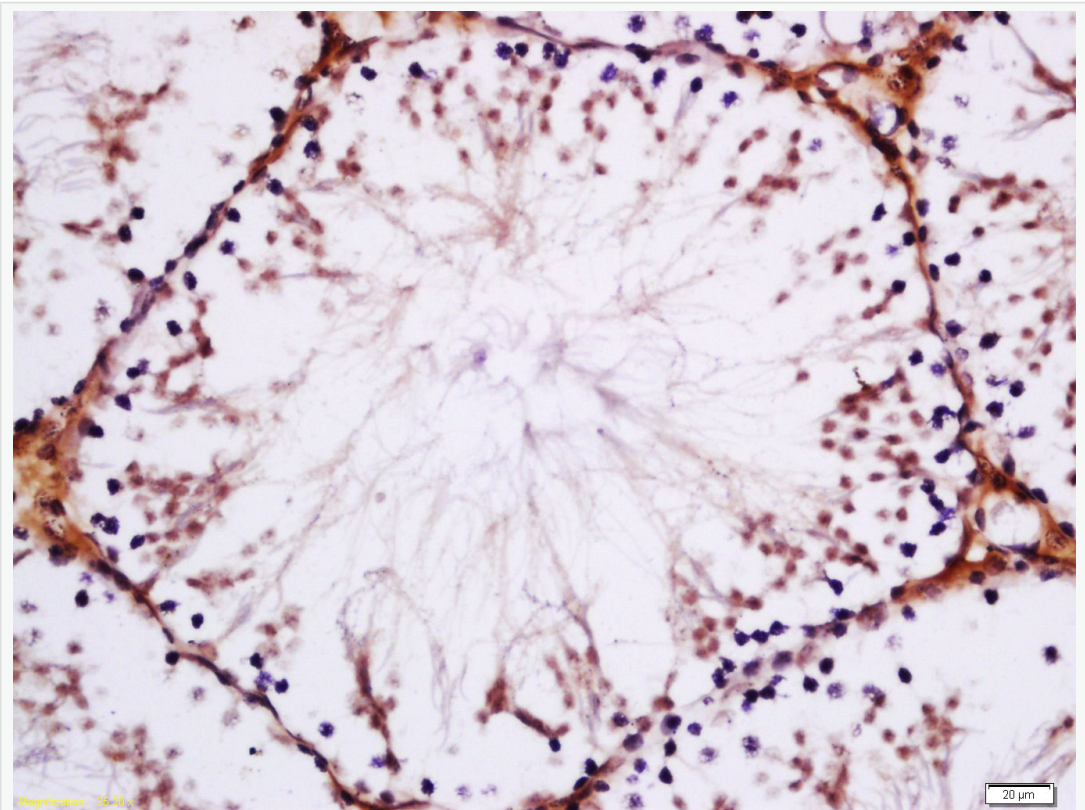
[SwissProt: Q9NR30](#) Human

[SwissProt: Q3B8Q1](#) Rat

[Unigene: 223141](#) Human

[Unigene: 162310](#) Rat

**Product  
Picture**



Tissue/cell: rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 1M, pH 6.0 ), Boiling bathing for 15min; Block  
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer  
(normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-DDX21 Polyclonal Antibody, Unconjugated(SL14218R) 1:200,  
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023)  
and DAB(C-0010) staining



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

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