

## Rabbit Anti-DDX28 antibody

SL14224R

<b>Product Name</b>	DDX28
<b>Chinese Name</b>	ATP 依赖 RNA 解旋酶 DDX28 抗体
<b>Alias</b>	DDX 28; DDX28; DDX28_HUMAN; DEAD (Asp Glu Ala Asp) box polypeptide 28; DEAD box polypeptide 28; DEAD/H (Asp Glu Ala Asp/His) box polypeptide 28; FLJ11282; MDDX 28; MDDX28; Mitochondrial DEAD box protein 28.
<b>Research Area</b>	Cell biology transcriptional regulatory factor Binding protein Mitochondrion Epigenetics
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Mouse, Rat, (predicted: Human, Dog, Cow, Rabbit, Sheep, ) WB=1:500-2000,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>	60kDa
<b>Cellular localization</b>	The nucleus Mitochondrion
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human DDX28: 451-540/540
<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.

**PubMed**

[PubMed](#)

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 the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene is intronless. It encodes an RNA-dependent ATPase. The encoded protein is localized in the mitochondria and the nucleus, and can be transported between the mitochondria and the nucleus. [provided by RefSeq, Jul 2008]

**Function:**

May be involved in RNA processing or transport. Has RNA and Mg(2+)-dependent ATPase activity.

**Subcellular Location:**

Nucleus. Mitochondrion. Transported between these two compartments. Nuclear localization depends on active RNA polymerase II transcription.

**Tissue Specificity:**

**Product Detail**

Expressed in all tissues tested, including brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, leukocytes, colon, small intestine, ovary and prostate.

**Similarity:**

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

**SWISS:**

Q9NUL7

**Gene ID:**

55794

**Database links:**

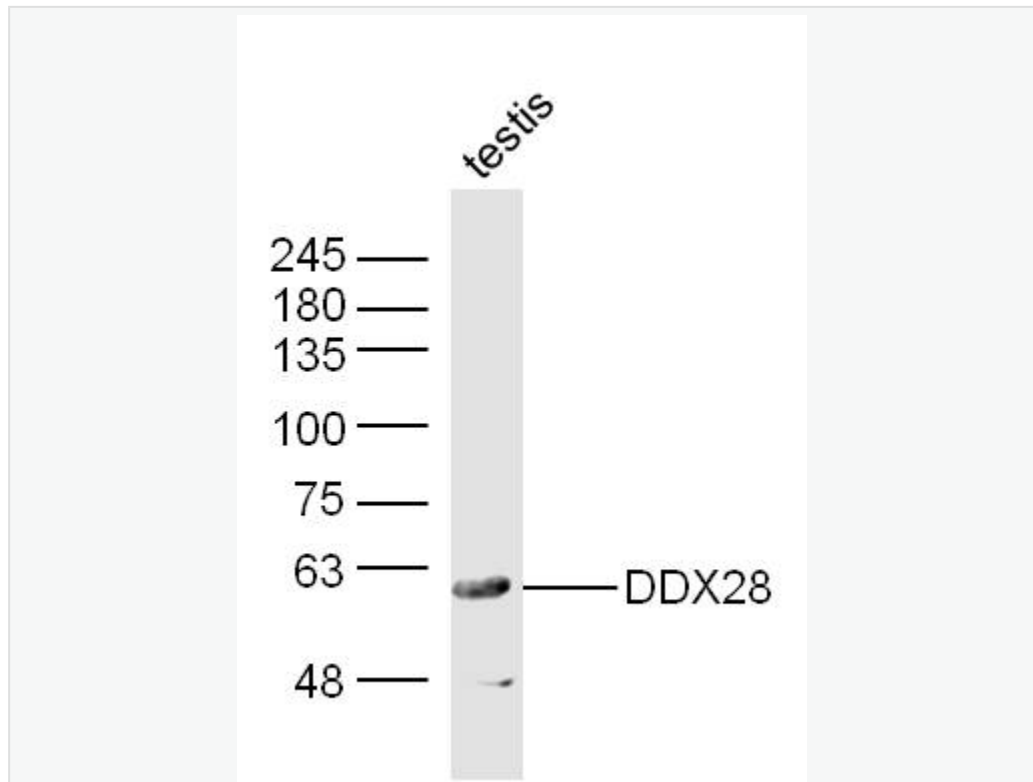
[Entrez Gene: 55794](#) Human

[Olim: 607618](#) Human

[SwissProt: Q9NUL7](#) Human

[nigene: 458313](#) Human

**Product  
Picture**



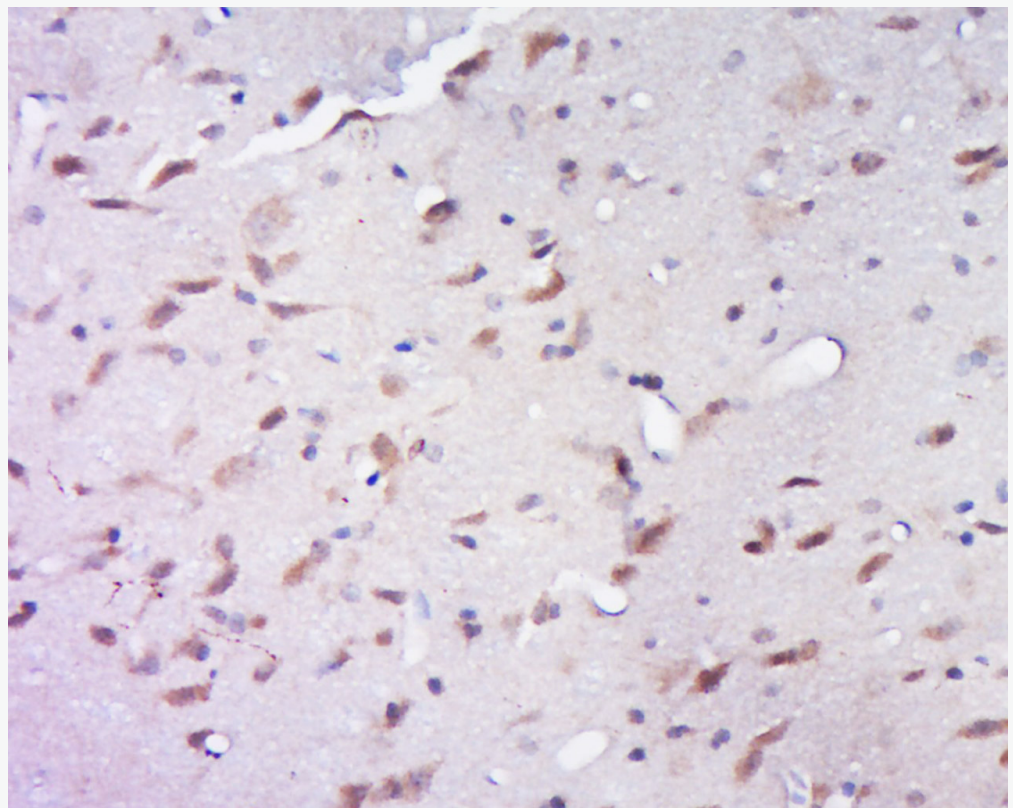
Sample: testis (Mouse) Lysate at 40 ug

Primary: Anti-DDX28(SL14224R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 60 kD

Observed band size: 60 kD



Tissue/cell: Rat brain 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 $\text{C}$  for 20 min;

Incubation: Anti-DDX28 Polyclonal Antibody, Unconjugated(SL14224R)

1:500, overnight at 4 $\text{C}$ , followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining