

Rabbit Anti-DHX36 antibody

SL14319R

Product Name DHX36

Chinese Name DHX36 蛋白抗体

Alias DDX36; DEAH box protein 36; Dhx36; DHX36_HUMAN; EC 3.6.1.-; KIAA1488; MLE like protein 1; MLE-like protein 1; MLEL1; Probable ATP dependent RNA helicase DHX36; Probable ATP-dependent RNA helicase DHX36; RHAU; RNA helicase associated with AU rich element ARE; RNA helicase associated with AU-rich element ARE.

Research Area immunology Epigenetics

Immunogen Species Rabbit

Clonality Polyclonal

React Species Mouse,Rat (predicted:Human,Cow,Horse,Rabbit,Sheep)

Applications WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 115kDa

Cellular localization The nucleus cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human DHX36: 151-250/1008

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°C. 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 is a member of the DEAH-box family of RNA-dependent NTPases which are named after the conserved amino acid sequence Asp-Glu-Ala-His in motif II. The protein encoded by this gene has been shown to enhance the deadenylation and decay of mRNAs with 3'-UTR AU-rich elements (ARE-mRNA). The protein has also been shown to resolve into single strands the highly stable tetramolecular DNA configuration (G4) that can form spontaneously in guanine-rich regions of DNA. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Function:

Plays a role in degradation and deadenylation of mRNAs containing in their 3'-UTR the consensus ARE sequence element. May function in sex development and spermatogenesis.

Subcellular Location:

Nucleus. Cytoplasm. Isoform 1 preferentially localized to the nucleus and isoform 2 localized to the cytoplasm. However, partitioning of cellular localization between the nucleus and cytoplasm is not exclusive, as isoform 1 was also detected in the cytoplasm. Both isoforms were excluded from nucleoli.

**Product
Detail**

Tissue Specificity:

Highly expressed in testis.

Similarity:

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

SWISS:

Q9H2U1

Gene ID:

170506

Database links:

[Entrez Gene: 170506](#) Human

[Entrez Gene: 72162](#) Mouse

[Omim: 612767](#) Human

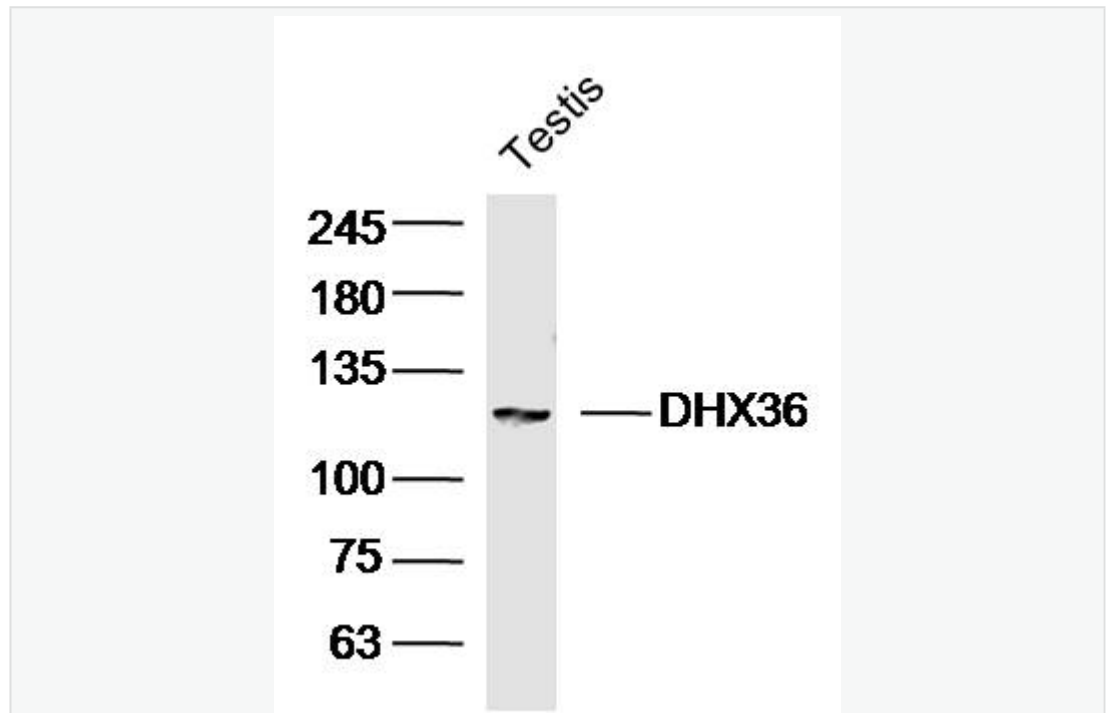
[SwissProt: Q9H2U1](#) Human

[SwissProt: Q8VHK9](#) Mouse

[Unigene: 446270](#) Human

[Unigene: 224233](#) Mouse

Product
Picture



Sample:

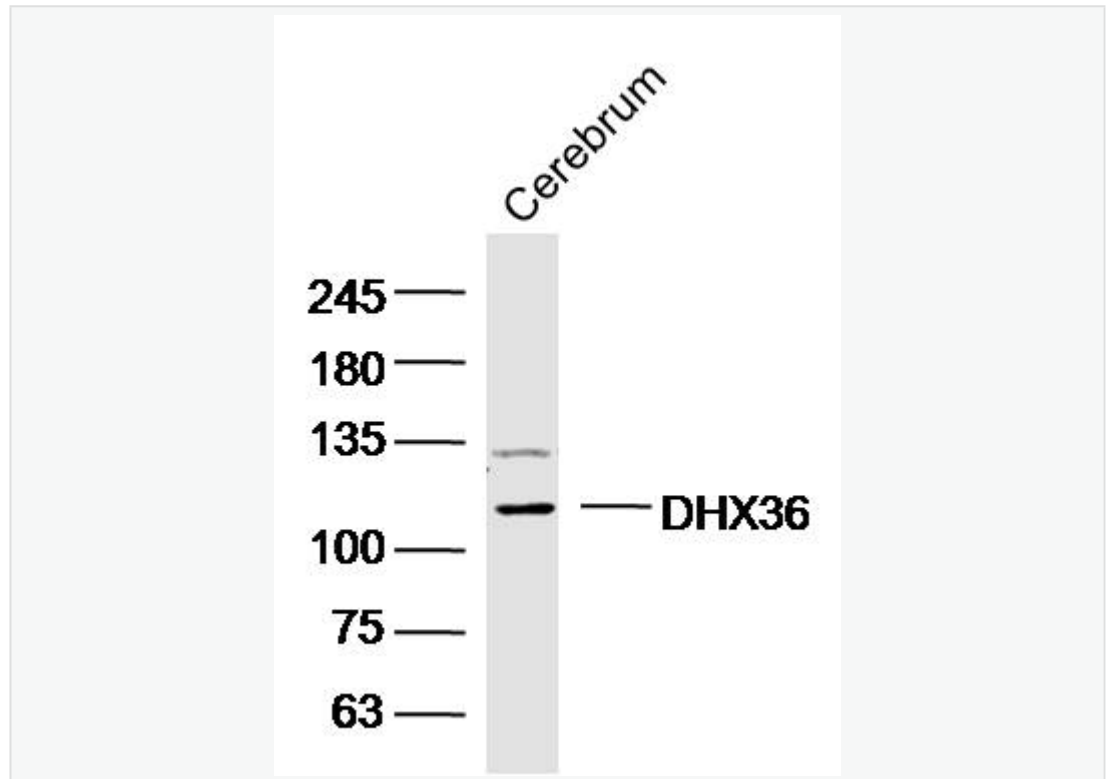
Testis (Mouse) Lysate at 40 ug

Primary: Anti-DHX36 (SL14319R) at 1/300 dilution

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

Predicted band size: 115 kD

Observed band size: 115 kD



Sample:

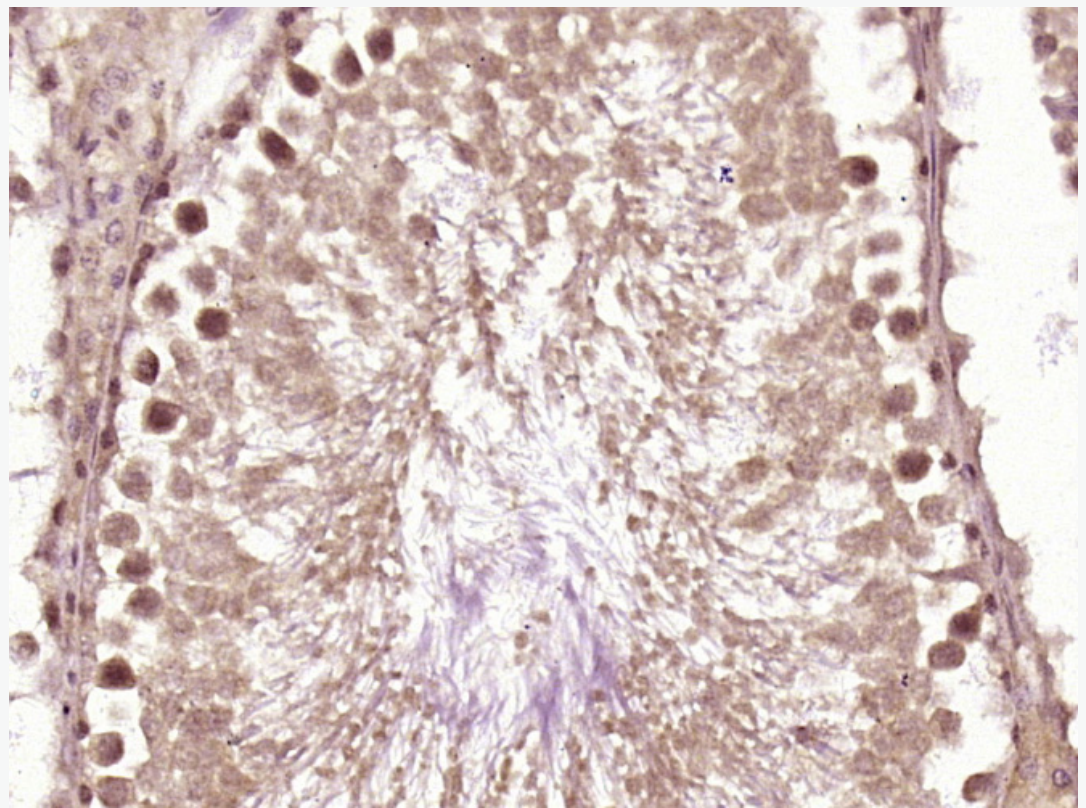
Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-DHX36 (SL14319R) at 1/300 dilution

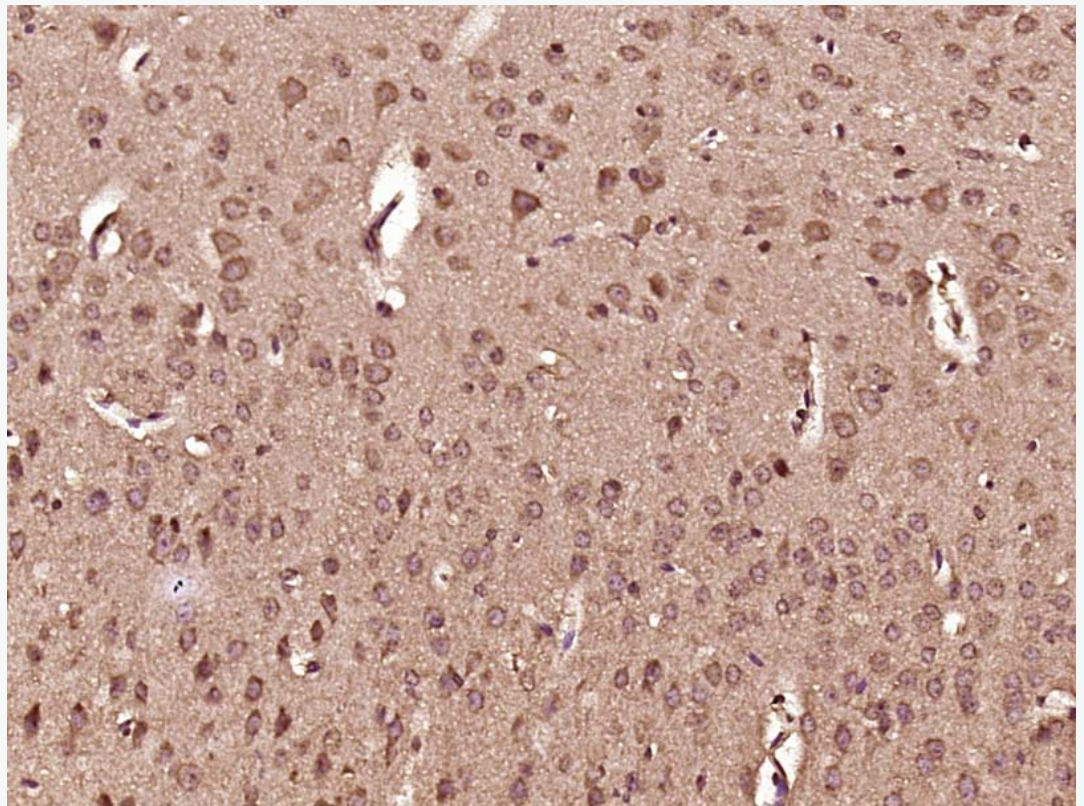
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 115 kD

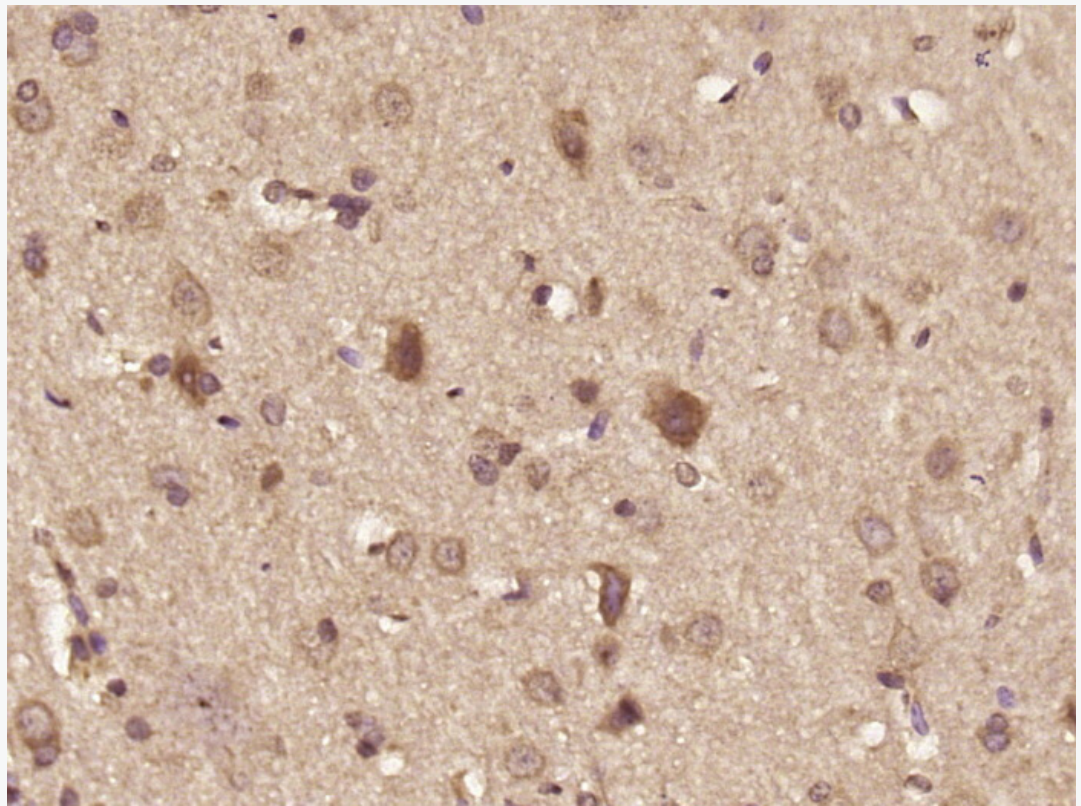
Observed band size: 115 kD



Paraformaldehyde-fixed, paraffin embedded (Rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DHX36) Polyclonal Antibody, Unconjugated (SL14319R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DHX36) Polyclonal Antibody, Unconjugated (SL14319R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DHX36) Polyclonal Antibody, Unconjugated (SL14319R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.