

Rabbit Anti-DDX25/GRTH antibody

SL14220R

Product Name DDX25/GRTH

Chinese Name 促性腺激素调节睾丸 RNA 解旋酶抗体

Alias AW047046; DDX25_HUMAN; Ddx25; DEAD (Asp-Glu-Ala-Asp) box polypeptide 25; DEAD/H BOX 25; EC 3.6.1.; gonadotropin-regulated testicular RNA helicase; GRTH.

Research Area Cell biology Developmental biology Apoptosis Cell differentiation Epigenetics

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted: Human, Mouse, Rat, Cow, Horse, Rabbit, Sheep,)
IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
(Paraffin sections need antigen repair)
Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 55kDa

Cellular localization cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human DDX25: 51-150/483

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](#)

Product DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are

Detail

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 encodes a member of this family. The encoded protein is a gonadotropin-regulated and developmentally expressed testicular RNA helicase. It may serve to maintain testicular functions related to steroidogenesis and spermatogenesis. [provided by RefSeq, Jul 2008]

Function:

DDX25 is a member of DEAD box proteins 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 the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. DDX25 is a gonadotropin-regulated and developmentally expressed testicular RNA helicase. It may serve to maintain testicular functions related to steroidogenesis and spermatogenesis. 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 encodes a member of this family. The encoded protein is a gonadotropin-regulated and developmentally expressed testicular RNA helicase. It may serve to maintain testicular functions related to steroidogenesis and spermatogenesis.

Subcellular Location:

Cytoplasmic.

Tissue Specificity:

Highly expressed in the Leydig and germ cells of the testis and weakly expressed in the pituitary and hypothalamus.

Post-translational modifications:

Phosphorylated on threonine residues. The phosphorylated form is found in the cytoplasm but not in the nucleus (By similarity).

Similarity:

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



SWISS:
Q9UHL0

Gene ID:
29118

Database links:

[Entrez Gene: 29118](#) Human

[Omim: 607663](#) Human

[SwissProt: Q9UHL0](#) Human

[Unigene: 420263](#) Human