



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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	55kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DDX25/GRTH:51-150/483
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. [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

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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