

DDX25/GRTH Rabbit pAb

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Catalog # AP55467

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UHL0
Predicted	Rat, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54692
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DDX25
Epitope Specificity	51-150/483
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasmic.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	29118
Other Names	ATP-dependent RNA helicase DDX25, 3.6.4.13, DEAD box protein 25, Gonadotropin-regulated testicular RNA helicase, DDX25, GRTH
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	DDX25
Synonyms	GRTH
Function	ATP-dependent RNA helicase. Required for mRNA export and translation regulation during spermatid development (By similarity).
Cellular Location	Cytoplasm. Nucleus {ECO:0000250 UniProtKB:Q9QY15}. Note=Detected in both cytoplasm and nucleus of testicular cells. Also detected in chromatoid bodies of round spermatids (By similarity). {ECO:0000250 UniProtKB:Q9QY15}
Tissue Location	Highly expressed in the Leydig and germ cells of the testis and weakly expressed in the pituitary and hypothalamus {ECO:0000269 PubMed:10608860, ECO:0000269 Ref.2}

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.