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Rabbit Anti-DDX50 antibody

SL14231R

Product Name	DDX50
Chinese Name	ATP 依赖 RNA 解旋酶 DDX50 抗体
Alias	4933429B04Rik; ATP-dependent RNA helicase DDX50; Ddx50; DDX50_HUMAN; DEAD (Asp-Glu-Ala-Asp) box polypeptide 50; DEAD box protein 50; Gu beta; Gu-beta; GU2; GUB; MGC109605; MGC3199; Nucleolar protein Gu2; RH II; RH II/GuB.
Research Area	Cell biology Developmental biology transcriptional regulatory factor Transporter Cell differentiation Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat, Dog, Cow, Horse, Sheep,)
Applications	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） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	83kDa
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human DDX50: 101-200/737
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℃. 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

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 this DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box enzyme that may be involved in ribosomal RNA synthesis or processing. This gene and DDX21, also called RH-II/GuA, have similar genomic structures and are in tandem orientation on chromosome 10, suggesting that the two genes arose by gene duplication in evolution. This gene has pseudogenes on chromosomes 2, 3 and 4. Alternative splicing of this gene generates multiple transcript variants, but the full length nature of all the other variants but one has not been defined. [provided by RefSeq, Jul 2008]

Subcellular Location:
Nucleus, nucleolus.

Similarity:
Belongs to the DEAD box helicase family. DDX21/DDX50 subfamily.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.

Product Detail

SWISS:
Q9BQ39

Gene ID:
79009

Database links:

Entrez Gene: 79009 Human

Entrez Gene: 94213 Mouse

Entrez Gene: 361848 Rat

Omim: 610373 Human

SwissProt: Q9BQ39 Human

SwissProt: Q99MJ9 Mouse

Unigene: 522984 Human

Unigene: 114116 Mouse

Unigene: 98470 Rat