10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DDX47 Rabbit pAb

DDX47 Rabbit pAb
Catalog # AP55472

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H0S4
Predicted	Rat, Dog, Human, Mouse, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50647
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DDX47
Epitope Specificity	201-300/455
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	Nucleus; nucleolus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the DEAD box protein 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 this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The protein encoded by this gene can shuttle between the nucleus and the cytoplasm, and has an RNA-independent ATPase activity. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	51202
Other Names	Probable ATP-dependent RNA helicase DDX47, 3.6.4.13, DEAD box protein 47, DDX47
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	DDX47
Function	Required for efficient ribosome biogenesis (By similarity). May have a role in mRNA splicing (PubMed:16963496). Involved in apoptosis (PubMed:15977068).
Cellular Location	Nucleus, nucleolus. Note=Localizes in the nucleolar- organizing region during ribosome biogenesis
Tissue Location	Expressed in skin, lung and breast. Also expressed in the brain.

Background

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

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