

# DDX47 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55472

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF, ICC, E
<b>Primary Accession</b>	<a href="#">Q9H0S4</a>
<b>Reactivity</b>	Rat, Dog, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	50647
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human DDX47
<b>Epitope Specificity</b>	201-300/455
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Nucleus; nucleolus.
<b>SIMILARITY</b>	Belongs to the DEAD box helicase family. DDX47/RRP3 subfamily. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	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

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<b>Gene ID</b>	51202
<b>Other Names</b>	Probable ATP-dependent RNA helicase DDX47, 3.6.4.13, DEAD box protein 47, DDX47
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

<b>Storage</b>	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.
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## Protein Information

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<b>Name</b>	DDX47
<b>Function</b>	Required for efficient ribosome biogenesis (By similarity). May have a role in mRNA splicing (PubMed: <a href="#">16963496</a> ). Involved in apoptosis (PubMed: <a href="#">15977068</a> ).
<b>Cellular Location</b>	Nucleus, nucleolus. Note=Localizes in the nucleolar- organizing region during ribosome biogenesis
<b>Tissue Location</b>	Expressed in skin, lung and breast. Also expressed in the brain.

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