

DDX49 Rabbit pAb

Catalog # AP98906

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9Y6V7
Other Accession	Q9Y6V7
Reactivity	Rat
Predicted	Pig, Human, Mouse, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54226
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DDX49
Epitope Specificity	351-483/483
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the DEAD box helicase family. DDX49/DBP8 subfamily. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.
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, are putative RNA helicases implicated in several cellular processes involving modifications of RNA secondary structure and ribosome/spliceosome assembly. Based on their distribution patterns, some members of this family may be involved in embryogenesis, spermatogenesis and cellular growth and division. DDX49 (DEAD-box protein 49) is a 483 amino acid protein that contains one helicase ATP-binding domain and one helicase C-terminal domain. One of several members of the DEAD-box protein family, DDX49 may function as an RNA helicase that is involved in pre-mRNA splicing events.

Additional Information

Gene ID	54555
Other Names	Dbp8; R27090_2; DDX49_HUMAN; DDX49; DEAD box protein 49; 3.6.4.13; Q3UTV0_MOUSE; DDX49_MOUSE; DEAD-box helicase 49; DEAD (Asp-Glu-Ala-Asp) box polypeptide 49
Dilution	IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500
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	DDX49
Function	ATP-dependent RNA helicase that plays a role in various aspects of RNA metabolism including the regulation of mRNA export and the levels of pre-ribosomal RNA. Regulates the stability and synthesis of pre-ribosomal RNA and thereby regulates cell proliferation (PubMed: 29618122). Also possesses antiviral activity by recognizing gammaherpesvirus transcripts in the context of lytic reactivation (PubMed: 36298642).
Cellular Location	Nucleus, nucleolus.

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