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

DHX8 Rabbit pAb

Catalog # AP97849

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q14562
Other Accession	Q14562
Reactivity	Human
Predicted	Rat, Pig, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	139315
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DHX8
Epitope Specificity	1101-1220/1220
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. DEAH subfamily. DDX8/PRP22 sub-subfamily. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain. Contains 1 S1 motif domain.
SUBUNIT	Identified in the spliceosome C complex. Interacts with ARRB2; the interaction is detected in the nucleus upon OR1D2 stimulation.
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 this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which is highly homologous to yeast Prp22. This protein facilitates nuclear export of spliced mRNA by releasing the RNA from the spliceosome. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	1659
Other Names	DDX8; Dhr2; HRH1; PRP22; PRPF22; mDEAH6; mKIAA4096; LRRGT00035; DHX8_HUMAN; DHX8; DEAH box protein 8; RNA helicase HRH1; 3.6.4.13; DHX8_MOUSE; DEAH-box helicase 8; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 8 (RNA helicase); DEAH (Asp-Glu-Ala-His) box polypeptide 8
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	DHX8
Synonyms	DDX8
Function	Involved in pre-mRNA splicing as component of the spliceosome (PubMed:11991638, PubMed:28076346, PubMed:28502770). Facilitates nuclear export of spliced mRNA by releasing the RNA from the spliceosome (PubMed:8608946).
Cellular Location	Nucleus
Tissue Location	Expressed in skin, cervix and nerve. Also expressed in the brain.

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