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

DDX46 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55471

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q7L014
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	117362

Additional Information

Gene ID	9879
Other Names	Probable ATP-dependent RNA helicase DDX46, 3.6.4.13, DEAD box protein 46, PRP5 homolog, DDX46, KIAA0801
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=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	DDX46 {ECO:0000303|PubMed:36797247, ECO:0000312|HGNC:HGNC:18681}
Function	Component of the 17S U2 SnRNP complex of the spliceosome, a large ribonucleoprotein complex that removes introns from transcribed pre-mRNAs (PubMed:12234937, PubMed:32494006, PubMed:34822310, PubMed:36797247). The 17S U2 SnRNP complex (1) directly participates in early spliceosome assembly and (2) mediates recognition of the intron branch site during pre-mRNA splicing by promoting the selection of the pre-mRNA branch-site adenosine, the nucleophile for the first step of splicing (PubMed:32494006, PubMed:34822310). Within the 17S U2 SnRNP complex, DDX46 plays essential roles during assembly of pre-spliceosome and proofreading of the branch site (PubMed:34822310).
Cellular Location	Nucleus speckle. Nucleus, Cajal body. Note=Present in Cajal bodies (CBs) and nuclear speckles.

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