

DHX16 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55518

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O60231
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	119264

Additional Information

Gene ID	8449
Other Names	Pre-mRNA-splicing factor ATP-dependent RNA helicase DHX16, 3.6.4.13, ATP-dependent RNA helicase #3, DEAH-box protein 16, DHX16
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	DHX16
Function	Required for pre-mRNA splicing as a component of the spliceosome (PubMed: 20423332 , PubMed: 20841358 , PubMed: 25296192 , PubMed: 29360106). Contributes to pre-mRNA splicing after spliceosome formation and prior to the first transesterification reaction. As a component of the minor spliceosome, involved in the splicing of U12- type introns in pre-mRNAs (Probable). Also plays a role in innate antiviral response by acting as a pattern recognition receptor sensing splicing signals in viral RNA (PubMed: 35263596). Mechanistically, TRIM6 promotes the interaction between unanchored 'Lys-48'-polyubiquitin chains and DHX16, leading to DHX16 interaction with RIGI and ssRNA to amplify RIGI-dependent innate antiviral immune responses (PubMed: 35263596).
Cellular Location	Nucleus. Nucleus, nucleoplasm. Cytoplasm
Tissue Location	Expressed in the spleen, thyroid and testis. Also expressed in the brain and cerebellum.

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