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

DHX34 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10981

Product Information

Application	WB
Primary Accession	Q14147
Other Accession	NM_194428, NP_919409
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Rabbit, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	128120

Additional Information

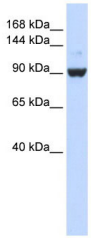
Gene ID	9704
Alias Symbol	DDX34, HRH1, KIAA0134
Other Names	Probable ATP-dependent RNA helicase DHX34, 3.6.4.13, DEAH box protein 34, DHX34, DDX34, KIAA0134
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-DHX34 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	DHX34 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DHX34 (HGNC:16719)
Function	Probable ATP-binding RNA helicase required for nonsense- mediated decay (NMD) degradation of mRNA transcripts containing premature stop codons (PubMed:25220460, PubMed:33205750). Promotes the phosphorylation of UPF1 along with its interaction with key NMD pathway proteins UPF2 and EIF4A3 (PubMed:25220460). Interaction with the RUVBL1-RUVBL2 complex results in loss of nucleotide binding ability and ATP hydrolysis of the complex (PubMed:33205750). Negatively regulates the nucleotide binding ability and ATP hydrolysis of the RUVBL1-RUVBL2 complex via induction of N-terminus conformation changes of the RUVBL2 subunits (PubMed:33205750).

Tissue Location	Expressed in whole blood, testis and spleen. Also expressed in the brain.

Images



WB Suggested Anti-DHX34 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:12500
Positive Control: 293T cell lysate
There is BioGPS gene expression data showing that DHX34 is expressed in HEK293T

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