

DHX37 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55523

Specification

DHX37 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession
Reactivity
Rat, Dog
Host
Clonality
Polyclonal
Calculated MW
Rat, Dog
Rabbit
Polyclonal

Calculated MW 129 KD
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human DHX37

Epitope Specificity 51-150/1157

Isotype IgG
Purity

Buffer 0.01M TBS (pH7.4) with 1% BSA. 0.02%

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SIMILARITY Belongs to the DEAD box helicase family.

DEAH 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

affinity purified by Protein A

This gene encodes a DEAD box protein. 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. [provided by RefSeq, Jul 2008]

DHX37 Polyclonal Antibody - Additional Information

Gene ID 57647

Other Names

Probable ATP-dependent RNA helicase DHX37, 3.6.4.13, DEAH box protein 37, DHX37, DDX37, KIAA1517

Dilution

WB~~1:1000<br \><span class</pre>

="dilution_IHC-P">IHC-P~~N/A<br \><span class

="dilution_IHC-F">IHC-F~~N/A<br \><span class



="dilution_IF">IF \sim 1:50 \sim 200<br \>ICC \sim N/A<br \>E \sim N/A

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.

DHX37 Polyclonal Antibody - Protein Information

Name DHX37 (HGNC:17210)

Synonyms DDX37, KIAA1517

Function

ATP-binding RNA helicase that plays a role in maturation of the small ribosomal subunit in ribosome biogenesis (PubMed:30582406). Required for the release of the U3 snoRNP from pre-ribosomal particles (PubMed:30582406). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:34516797). Plays a role in early testis development (PubMed:3128754131337883312568773

Cellular Location

Nucleus, nucleolus. Cytoplasm. Nucleus membrane

Tissue Location

Expressed in the fallopian tube, ovary, uterus and testis. Also expressed in the brain.

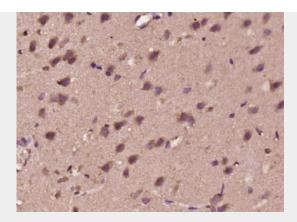
DHX37 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

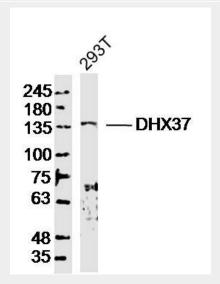
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DHX37 Polyclonal Antibody - Images





Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DHX37) Polyclonal Antibody, Unconjugated (bs-14320R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Sample: 293T Cell (Human) Lysate at 40 ug Primary: Anti-DHX37(bs-14320R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 129kD Observed band size: 135kD