

## 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	<a href="#">Q8IY37</a>
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	129 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DHX37
Epitope Specificity	51-150/1157
Isotype	IgG
<b>Purity</b>	
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. 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

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

<span class = "dilution\_WB">WB~~1:1000</span><br \><span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class

="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_E">E~~N/A</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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:<a href="http://www.uniprot.org/citations/30582406" target="\_blank">30582406</a>). Required for the release of the U3 snoRNP from pre-ribosomal particles (PubMed:<a href="http://www.uniprot.org/citations/30582406" target="\_blank">30582406</a>). 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:<a href="http://www.uniprot.org/citations/34516797" target="\_blank">34516797</a>). Plays a role in early testis development (PubMed:<a href="http://www.uniprot.org/citations/31287541" target="\_blank">31287541</a>, PubMed:<a href="http://www.uniprot.org/citations/31337883" target="\_blank">31337883</a>). Probably also plays a role in brain development (PubMed:<a href="http://www.uniprot.org/citations/31256877" target="\_blank">31256877</a>).

**Cellular Location**

Nucleus, nucleolus. Cytoplasm. Nucleus membrane

**Tissue Location**

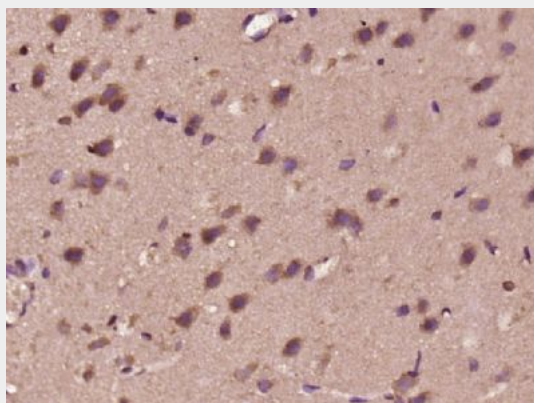
Expressed in the fallopian tube, ovary, uterus and testis. Also expressed in the brain.

**DHX37 Polyclonal Antibody - Protocols**

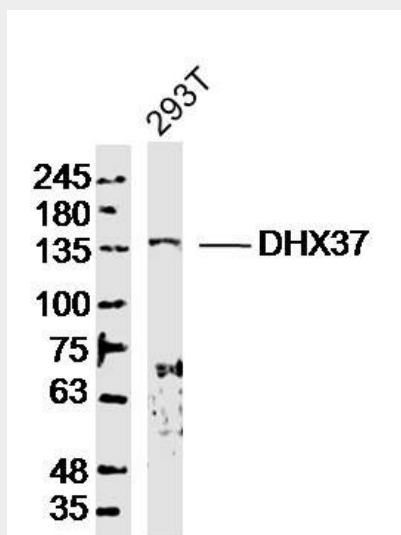
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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