

For Research Use Only

# DDX23 Polyclonal antibody

Catalog Number: 10199-2-AP **1 Publications**



## Basic Information

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| <b>Catalog Number:</b><br>10199-2-AP   | <b>GenBank Accession Number:</b><br>BC002366                   | <b>Purification Method:</b><br>Antigen affinity purification |
| <b>Size:</b><br>150ul , Concentration: 550 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>9416                                  | <b>Recommended Dilutions:</b><br>WB 1:500-1:1000             |
| <b>Source:</b><br>Rabbit   | <b>UNIPROT ID:</b><br>Q9BUQ8                                   |  |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>DEAD (Asp-Glu-Ala-Asp) box polypeptide 23 |  |
| <b>Immunogen Catalog Number:</b><br>AG0258   | <b>Calculated MW:</b><br>96 kDa                                |  |
|  | <b>Observed MW:</b><br>96-100 kDa                              |  |

## Applications

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| <b>Tested Applications:</b><br>WB, ELISA | <b>Positive Controls:</b><br>WB : K-562 cells, |
| <b>Cited Applications:</b><br>WB         |  |
| <b>Species Specificity:</b><br>human     |  |
| <b>Cited Species:</b><br>human           |  |

## Background Information

DEAD (Asp-Glu-Ala-Asp) box polypeptide 23 (DDX23, synonyms: prp28, MGC8416, U5-100K) is a member of the DEAD box protein family. 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. DDX23 is a component of the U5 snRNP complex; it may facilitate conformational changes in the spliceosome during nuclear pre-mRNA splicing.

## Notable Publications

| Author     | Pubmed ID | Journal           | Application |
|------------|-----------|-------------------|-------------|
| Yinan Wang | 39351875  | Nucleic Acids Res | WB          |

## Storage

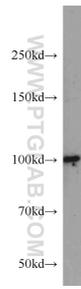
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 10199-2-AP (DDX23 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.