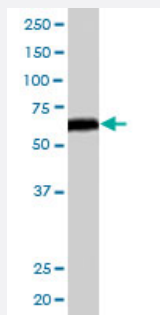


# DDX5 polyclonal antibody

Catalog # PAB6597

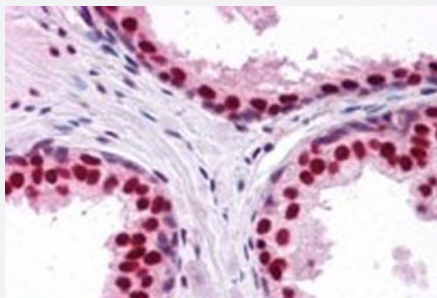
Size 100 ug

## Applications



### Western Blot (Cell lysate)

DDX5 polyclonal antibody (Cat # PAB6597) staining (0.5 ug/mL) of A-431 cell lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

DDX5 polyclonal antibody (Cat # PAB6597, 2.5 ug/mL) staining of paraffin embedded human prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

## Specification

|                      |  |
|----------------------|--|
| Product Description  | Goat polyclonal antibody raised against synthetic peptide of DDX5. |
| Immunogen            | A synthetic peptide corresponding to C-terminus of human DDX5.     |
| Sequence             | C-PMIGYPMPTGYSQ  |
| Host                 | Goat   |
| Theoretical MW (kDa) | 69   |
| Reactivity           | Human  |
| Form                 | Liquid   |

|                            |  |
|----------------------------|--|
| <b>Purification</b>        | Antigen affinity purification  |
| <b>Concentration</b>       | 0.5 mg/mL  |
| <b>Recommend Usage</b>     | ELISA (1:64000)<br>Western blot (0.11-0.3 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-5 ug/mL)<br>Immunofluorescence (1:100)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)  |
| <b>Storage Instruction</b> | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.   |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.   |

## Applications

- Western Blot (Cell lysate)

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- Immunofluorescence

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — DDX5

|                           |  |
|---------------------------|--|
| <b>Entrez GeneID</b>      | <a href="#">1655</a>                                   |
| <b>Protein Accession#</b> | <a href="#">NP_004387.1</a>                            |
| <b>Gene Name</b>          | DDX5   |
| <b>Gene Alias</b>         | DKFZp434E109, DKFZp686J01190, G17P1, HLR1, HUMP68, p68 |
| <b>Gene Description</b>   | DEAD (Asp-Glu-Ala-Asp) box polypeptide 5               |

Omim ID [180630](#)

Gene Ontology [Hyperlink](#)

#### Gene Summary

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. This gene encodes a DEAD box protein, which is a RNA-dependent ATPase, and also a proliferation-associated nuclear antigen, specifically reacting with the simian virus 40 tumor antigen. This gene consists of 13 exons, and alternatively spliced transcripts containing several intron sequences have been detected, but no isoforms encoded by these transcripts have been identified. [provided by RefSeq]

#### Other Designations

ATP-dependent RNA helicase DDX5|DEAD box-5|DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 5 (RNA helicase, 68kD)

## Publication Reference

- [Chromosome mapping of the human gene encoding the 68-kDa nuclear antigen \(p68\) by using the polymerase chain reaction.](#)

Iggo R, Gough A, Xu W, Lane DP, Spurr NK.

PNAS 1989 Aug; 86(16):6211.

## Disease

- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)