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Datasheet for ABIN2778732  
**anti-DDX19B antibody (N-Term)**

3 Images

Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | DDX19B  |
| Binding Specificity: | N-Term  |
| Reactivity:          | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Pig |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This DDX19B antibody is un-conjugated                       |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC)           |

Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | The immunogen is a synthetic peptide directed towards the N terminal region of human DDX19B                     |
| Sequence:             | DEQEAAAESL SNLHLKEEKI KPDTNGAVVK TNANAECTDE EEKEDRAAQS  |
| Predicted Reactivity: | Cow: 93%, Dog: 79%, Guinea Pig: 81%, Horse: 100%, Human: 100%, Mouse: 92%, Pig: 100%, Rabbit: 86%, Rat: 100%    |
| Characteristics:      | This is a rabbit polyclonal antibody against DDX19B. It was validated on Western Blot and immunohistochemistry. |
| Purification:         | Protein A purified  |

Target Details

|         |        |
|---------|--------|
| Target: | DDX19B |
|---------|--------|

## Target Details

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Alternative Name: DDX19B ([DDX19B Products](#))

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Background: 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. DDX19B is a DEAD box protein, which exhibits RNA-dependent ATPase and ATP-dependent RNA-unwinding activities. DDX19B is recruited to the cytoplasmic fibrils of the nuclear pore complex, where it participates in the export of mRNA from the nucleus. 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 exhibits RNA-dependent ATPase and ATP-dependent RNA-unwinding activities. This protein is recruited to the cytoplasmic fibrils of the nuclear pore complex, where it participates in the export of mRNA from the nucleus. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Alias Symbols: DBP5, RNAh, DDX19

Protein Interaction Partner: MIF4GD, UBC, CTBP2, AICDA, APP, COPS5, POT1, TERF1, tat, IKBKG, RAE1, RWDD2B, XPO7, B3GALT4, SKP1, PRPSAP1, GNB2L1, DCK, NUP214, KLHDC2,  
Protein Size: 479

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Molecular Weight: 53 kDa

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Gene ID: 11269

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NCBI Accession: [NM\\_007242](#), [NP\\_009173](#)

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UniProt: [Q9UMR2](#)

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## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 479 AA

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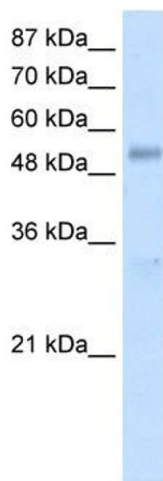
Restrictions: For Research Use only

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## Handling

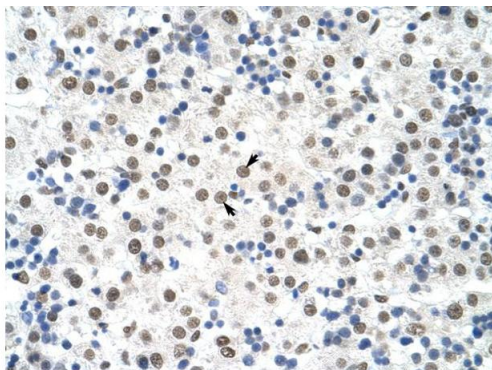
|                    |   |
|--------------------|---|
| Format:            | Liquid  |
| Concentration:     | Lot specific  |
| Buffer:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.                                     |
| Preservative:      | Sodium azide  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                  |
| Handling Advice:   | Avoid repeated freeze-thaw cycles.  |
| Storage:           | -20 °C  |
| Storage Comment:   | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

## Images



### Western Blotting

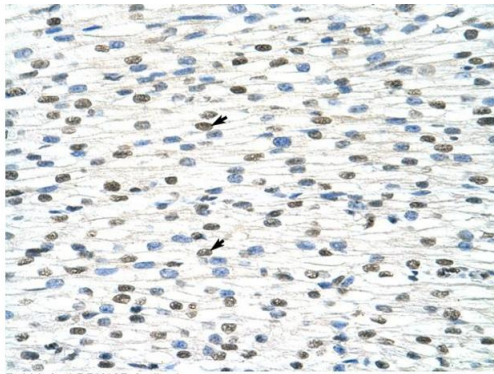
**Image 1.** WB Suggested Anti-DDX19B Antibody Titration: 1.25ug/ml Positive Control: HepG2 cell lysate DDX19B is supported by BioGPS gene expression data to be expressed in HepG2



Rabbit Anti-DDX19B Antibody  
Catalog Number: ARP40300  
Lot Number: QC10263  
Paraffin Embedded Tissue: Human Liver  
Cells with Positive label: Hepatocytes (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X

### Immunohistochemistry

**Image 2.** Rabbit Anti-DDX19B Antibody Paraffin Embedded Tissue: Human Liver Cellular Data: Hepatocytes Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Rabbit Anti-DDX19B Antibody  
Catalog Number: ARP40300  
Lot Number: QC10263  
Paraffin Embedded Tissue: Human Heart  
Cells with Positive label: Myocardial cells (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X

### Immunohistochemistry

**Image 3.** Rabbit Anti-DDX19B Antibody Paraffin Embedded  
Tissue: Human Heart Cellular Data: Myocardial cells  
Antibody Concentration: 4.0-8.0 µg/ml Magnification: 400X