

## Rabbit anti-Human DDX51 Polyclonal Antibody | anti-DDX51 antibody

DDX51 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                 |
|-----------|--------|------------|--------------------------------------------------------------|
| AAA324494 | Rabbit | Human      | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

DDX51; Polyclonal Antibody; DDX51 Antibody; DDX 51; DEAD (Asp Glu Ala Asp) box polypeptide 51; DEAD box protein 51; Dead box protein 73D like; MGC42193; anti-DDX51 antibody

### PRODUCT SPECIFICATIONS

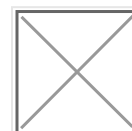
|                                                 |                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                        |
| Reactivity                                      | Human                                                                                         |
| Clonality                                       | Polyclonal                                                                                    |
| Isotype                                         | IgG                                                                                           |
| Specificity                                     | DDX51 antibody detects endogenous levels of total DDX51                                       |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                   | 1mg/ml (varies by lot)                                                                        |
| Sequence Length                                 | 666                                                                                           |
| Applicable Applications for anti-DDX51 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                  |
| Immunogen                                       | A synthesized peptide                                                                         |
| Subcellular Location                            | Nuclear, Nucleolus.                                                                           |
| Predicted Cross Reactivity                      | <b>Bovine, Horse, Sheep</b>                                                                   |
| Similarity                                      | Bovine (80%), Horse (80%), Sheep (80%)                                                        |
| Conjugation                                     | Unconjugated                                                                                  |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using DDX51 antibody. The lane on the left is treated with the antigen-specific peptide.



#### IF (Immunofluorescence)

AAA324494 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DDX51 antibody | Function: ATP-binding RNA helicase involved in the biogenesis of 60S ribosomal subunits.<br>Similarity: The Q motif is unique to and characteristic of the DEAD box family of RNA helicases and controls ATP binding and hydrolysis. Belongs to the DEAD box helicase family. DDX51/DBP6 subfamily. |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 154759257                              |
| NCBI GeneID                      | 317781                                 |
| NCBI Accession #                 | NP_778236.2                            |
| NCBI GenBank Nucleotide #        | NM_175066.3                            |
| UniProt Accession #              | Q8N8A6; Q5CZ71; Q8IXK5; Q96ED1; A8MPT9 |
| Molecular Weight                 | Observed: 72 kD<br>Predicted: 73 kDa   |
| NCBI Official Full Name          | ATP-dependent RNA helicase DDX51       |
| NCBI Official Synonym Full Names | DEAD-box helicase 51                   |
| NCBI Official Symbol             | DDX51                                  |
| NCBI Protein Information         | ATP-dependent RNA helicase DDX51       |
| UniProt Protein Name             | ATP-dependent RNA helicase DDX51       |
| UniProt Gene Name                | DDX51                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ddx51-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324494>