



# Anti-DDX42 monoclonal antibody (DCABH-11250)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| <b>Antigen Description</b> | This gene encodes a member of the Asp-Glu-Ala-Asp (DEAD) box protein family. Members of this protein family are putative RNA helicases, and 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. Members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. Two transcript variants encoding the same protein have been identified for this gene. |
| <b>Immunogen</b>           | A synthetic peptide of human DDX42 is used for rabbit immunization.   |
| <b>Isotype</b>             | IgG   |
| <b>Source/Host</b>         | Rabbit  |
| <b>Species Reactivity</b>  | Human   |
| <b>Purification</b>        | Protein A   |
| <b>Conjugate</b>           | Unconjugated  |
| <b>Applications</b>        | Western Blot (Transfected lysate); ELISA  |
| <b>Buffer</b>              | In 1x PBS, pH 7.4   |
| <b>Preservative</b>        | None  |
| <b>Storage</b>             | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.  |

## GENE INFORMATION

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|----------------------------|--|
| <b>Gene Name</b>           | <a href="#">DDX42 DEAD (Asp-Glu-Ala-Asp) box polypeptide 42 [ Homo sapiens ]</a>   |
| <b>Official Symbol</b>     | DDX42  |
| <b>Synonyms</b>            | DDX42; DEAD (Asp-Glu-Ala-Asp) box polypeptide 42; ATP-dependent RNA helicase DDX42; RHELP; RNAHP; SF3b125; DEAD box protein 42; SF3b DEAD box protein; SF3b125 DEAD-box protein; RNA helicase-like protein; RNA helicase-related protein; splicing factor 3B-associated 125 kDa protein; FLJ43179; |
| <b>Entrez Gene ID</b>      | <a href="#">11325</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_031398</a>  |
| <b>UniProt ID</b>          | <a href="#">Q86XP3</a>   |
| <b>Chromosome Location</b> | 17q23  |
| <b>Pathway</b>             | Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem; Spliceosome, U2-snRNP, organism-specific biosystem.  |
| <b>Function</b>            | ATP binding; ATP-dependent helicase activity; RNA binding; helicase activity; hydrolase activity; nucleotide binding; protein binding;   |