

# DDX50 mouse monoclonal antibody (hybridoma)

Catalog # H00079009-M

Size Up to 5 Clones

## Specification

### Product Description

Mouse monoclonal antibody raised against a full-length recombinant DDX50.

### Immunogen

DDX50 (NP\_076950.1, 1 a.a. ~ 737 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### Sequence

MPGKLLWGDIMELEAPLEESQKKERQKSDRRKSRHHYDSDEKSETRENGVTDDLDPKAKK  
SKMKEKLNQDTEEGFNRLSDEFSKSHKSRRKDLPNGDIDEYEKKSKRVSSLDTSTHKSSDNKLE  
ETLTREQKEGAFSNFPISEETIKLLKGRGVTYLFPQVKTGPGVYEGKDLIAQARTGTGKTFSAIPLI  
ERLQRNQETIKKSRSPKVLVLAPTRELANQVAKDFKDITRKL SVACFYGGTSYQSQINHIRNGIDILV  
GTPGRIKDHLQSGRLDLSKLRHVVLDEVQMLDLGFAEQVEDIIHESYKTDSEDNPQTLLFSATCP  
QWVYKVAKKYMKSRYEQVDLVGKMTQKAATTVEHLAIQCHWSQRPAVIGDVLQVYSGSEGRAIIF  
CETKKNVTEMAMNPHIKQNAQCLHGDIAQSQREITLKGFRSGFKVLVATNVAARGLDIPVDLVI  
QSSPPQDVESYIHRSGRTGRAGRTGICICFYQPRERQGLRYVEQKAGITFKRVGVPSTMDLVKSKS  
MDAIRSLASVSAAVDFFRPSAQRLIEEKGAVDALAAALAHISGASSFEPRSLITSDKGFVTMTLE  
SLEEIQDVSCAWKELNRKLSSNAV SQITRMCLLKGNMGVCFDVPPTESERLQAEWHDSDWILSV  
PAKLPEIEEYYDGNTSSNSRQRSGWSSGRSGRSGRSGGRSGGRSGRQSRQGSRSRSGRQDGRR  
RSGNRRNSRSGGHKRSFD

### Host

Mouse

### Reactivity

Human

### Interspecies Antigen Sequence

Mouse (95); Rat (95)

### Quality Control Testing

Antibody reactivity and specificity confirmed by ELISA and Western Blot.

### Deliverables

Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.

### Note

Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — DDX50

Entrez GeneID [79009](#)

GeneBank Accession# [NM\\_024045.1](#)

Protein Accession# [NP\\_076950.1](#)

Gene Name DDX50

Gene Alias GU2, GUB, MGC3199, RH-II/GuB

Gene Description DEAD (Asp-Glu-Ala-Asp) box polypeptide 50

Omim ID [610373](#)

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 DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box enzyme that may be involved in ribosomal RNA synthesis or processing. This gene and DDX21, also called RH-II/GuA, have similar genomic structures and are in tandem orientation on chromosome 10, suggesting that the two genes arose by gene duplication in evolution. This gene has pseudogenes on chromosomes 2, 3 and 4. Alternative splicing of this gene generates multiple transcript variants, but the full length nature of all the other variants but one has not been defined. [provided by RefSeq]

**Other Designations** OTTHUMP00000019711|RNA helicase II/Gu beta|nucleolar protein GU2