

# DDX50 Rabbit Polyclonal Antibody



CAB8628

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

105kDa

### Calculated MW:

82kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:200 - 1:2000 IHC 1:50  
- 1:200 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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 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.

## Immunogen information

### Gene ID:

79009

### Uniprot

Q9BQ39

### Synonyms:

DDX50; GU2; GUB; RH-II/GuB; mcdrh

### Immunogen:

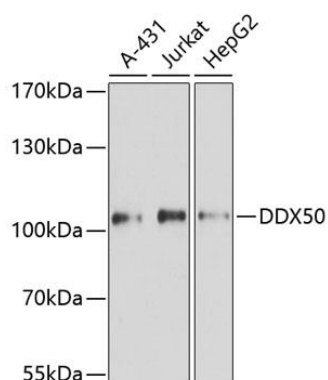
Recombinant fusion protein containing a sequence corresponding to amino acids 1-135 of human DDX50 (NP\_076950.1).

### Storage:

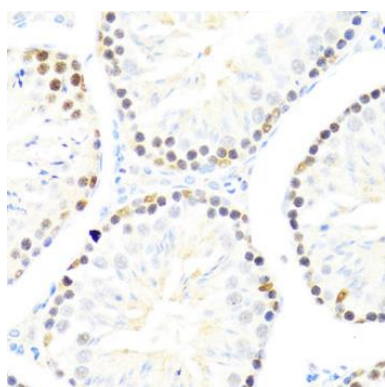
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

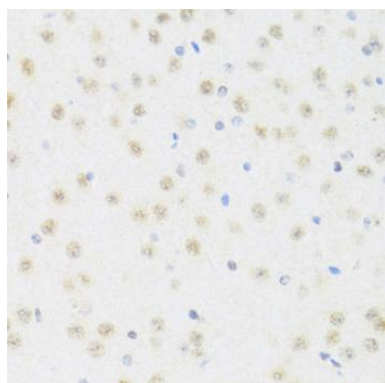
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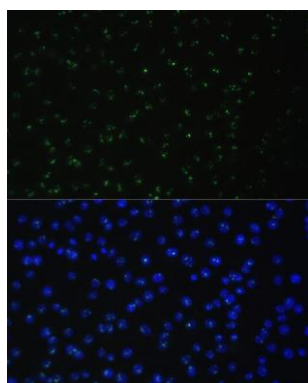
Western blot analysis of extracts of various cell lines, using DDX50 antibody (CAB8628) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded mouse testis using DDX50 antibody (CAB8628) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using DDX50 antibody (CAB8628) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of C6 cells using DDX50 antibody (CAB8628) at dilution of 1:100. Blue: DAPI for nuclear staining.