

Product datasheet for **TA375396S**

DDX41 Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | ICC/IF, IHC, IP, WB |
| Recommended Dilution: | WB,1:500 - 1:2000 IHC,1:50 - 1:200 IF,1:50 - 1:100 IP,1:50 - 1:200 |
| Reactivity: | Human, Mouse, Rat |
| Modifications: | Unmodified |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human DDX41 (NP_057306.2). |
| Formulation: | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Concentration: | lot specific |
| Purification: | Affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 69kDa |
| Gene Name: | DEAD-box helicase 41 |
| Database Link: | Entrez Gene 51428 Human Q9UJV9 |



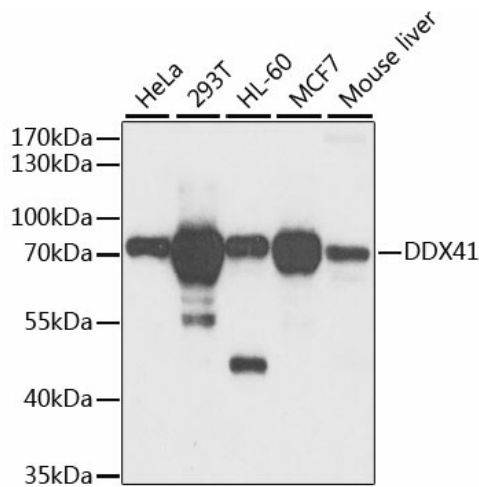
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Background:

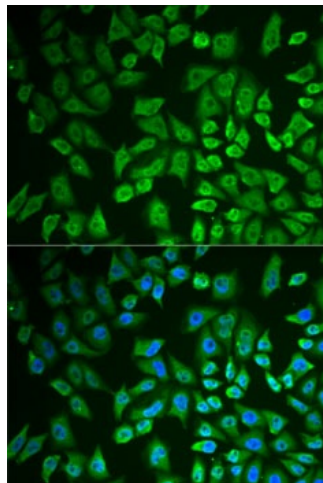
DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The protein encoded by this gene is a member of the DEAD box protein family and interacts with several spliceosomal proteins. In addition, the encoded protein may recognize the bacterial second messengers cyclic di-GMP and cyclic di-AMP, resulting in the induction of genes involved in the innate immune response.

Synonyms:

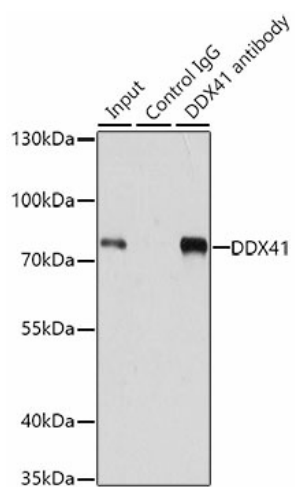
2900024F02Rik; ABS; MGC8828

Product images:


Western blot analysis of extracts of various cell lines, using DDX41 antibody ([TA375396]) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 30s.



Immunofluorescence analysis of U2OS cells using DDX41 antibody ([TA375396]). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of 293T cells using 1ug DDX41 antibody ([TA375396]). Western blot was performed from the immunoprecipitate using DDX41 antibody ([TA375396]) at a dilution of 1:1000.