

## Product datasheet for **TA375392**

### **UAP56 (DDX39B) Rabbit Polyclonal Antibody**

#### **Product data:**

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | ICC/IF, IHC, WB  |
| Recommended Dilution:   | WB,1:500 - 1:2000<br>IHC,1:100 - 1:200<br>IF,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 319-428 of human UAP56/UAP56/DDX39B (NP_004631.1). |
| 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: | 48kDa/50kDa  |
| Gene Name:              | DEAD-box helicase 39B  |
| Database Link:          | <a href="#">Entrez Gene 7919 Human Q13838</a>  |



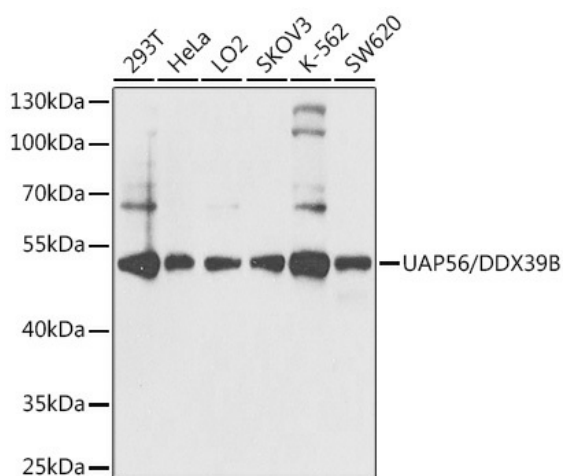
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**Background:**

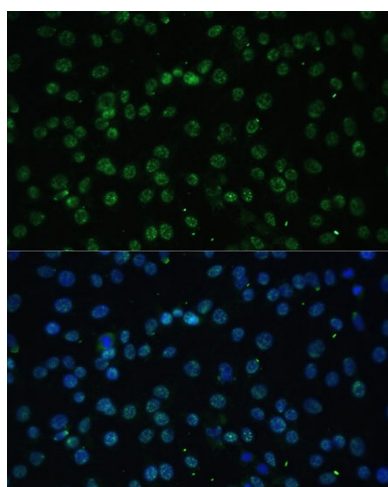
This gene encodes a member of the DEAD box family of RNA-dependent ATPases that mediate ATP hydrolysis during pre-mRNA splicing. The encoded protein is an essential splicing factor required for association of U2 small nuclear ribonucleoprotein with pre-mRNA, and it also plays an important role in mRNA export from the nucleus to the cytoplasm. This gene belongs to a cluster of genes localized in the vicinity of the genes encoding tumor necrosis factor alpha and tumor necrosis factor beta. These genes are all within the human major histocompatibility complex class III region. Mutations in this gene may be associated with rheumatoid arthritis. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on both chromosomes 6 and 11. Read-through transcription also occurs between this gene and the upstream ATP6V1G2 (ATPase, H<sup>+</sup> transporting, lysosomal 13kDa, V1 subunit G2) gene.

**Synonyms:**

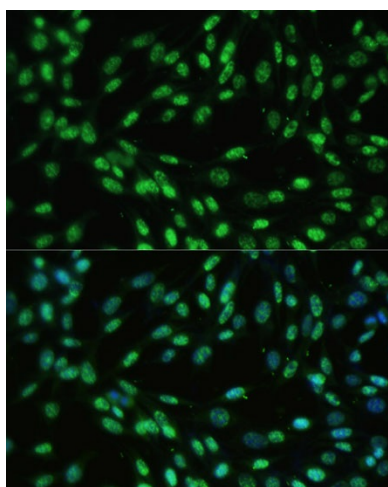
0610030D10Rik; AI428441; Bat-1; Bat1; Bat1a; D6S81Eh; D17H6S81E; D17H6S81E-1; p47

**Product images:**


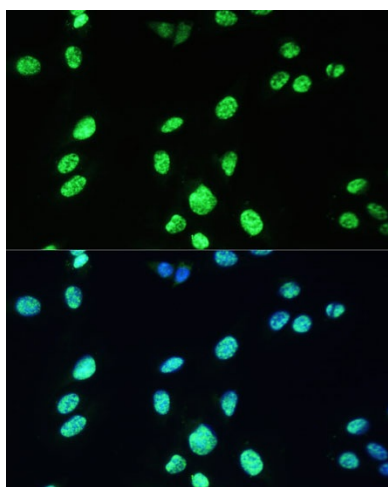
Western blot analysis of extracts of various cell lines, using UAP56/UAP56/DDX39B antibody (TA375392) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 5s.



Immunofluorescence analysis of C6 cells using UAP56/UAP56/DDX39B Polyclonal Antibody (TA375392) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using UAP56/UAP56/DDX39B Polyclonal Antibody (TA375392) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using UAP56/UAP56/DDX39B Polyclonal Antibody (TA375392) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.