

## Anti-DDX 47 antibody, rabbit serum

70-455 100 µl

**Storage:** Shipped at 4°C or -20°C, and upon arrival, aliquot and store at -20°C.

**Form:** Undiluted rabbit antiserum added with 0.05 % sodium azid

**Immunogen:** Purified Human DDX47 fused with GST

**Reactivity:** Reacts with DDX47 of human and rodents.

### Applications

- 1) Western blotting (~1,000 fold dilution)
- 2) Immunofluorescence staining (~500 fold dilution)

Other applications have not been tested.

**Background:** DDX 47 gene encodes a member of the DEAD box protein family.

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 family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The protein encoded by this gene can shuttle between the nucleus and the cytoplasm, and has an RNA-independent ATPase activity. Two alternatively spliced

transcript variants encoding distinct isoforms have been found for this gene.

**Data Link** UniProtKB/Swiss-Prot [Q9H0S4](#) (DDX47\_HUMAN)

GeneCards: [DDX47 Gene](#)

**Reference :** This product was described and used in the following Ref.

Sekiguchi T *et al* "NOP132 is required for proper nucleolus

localization of DEAD-box RNA helicase DDX47." *Nucleic. Acid. Res.*

34 : 4593-4606 (2006) PMID: [16963496](#)

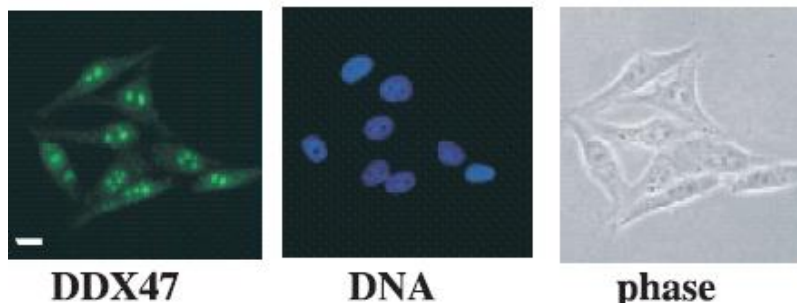


Fig.1 Western blot analysis of DDX47 in the whole cell extracts of HeLa cells (10µg) with anti-DDX47 antibody at 1/1,000 dilution

Fig. 2 HeLa cells were fixed and immunostained with anti-DDX47 antibody followed by FITC-conjugated anti-rabbit IgG secondary antibody. DNA was stained with Hoechst dye.

