Anti-DDX 47 antibody, rabbit serum

Product code	70-455
Size	100 µl
Storage	Store 4℃ for short term For long term storage store at -20℃. Aliquot to avoid repeated freezing and thawing.
Concentration	N/A
Buffer	0.05% sodium azide
Purity	Rabbit antiserum
Immunogen	Purified Human DDX47 fused with GST
Isotype	Rabbit IgG
Reactivity	DDX47 of human and rodents.
Special notes	N/A
Application	1. Western blotting (~1,000 fold dilution) 2. Immunofluorescence staining (~500 fold dilution)
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 Q9H0S4 (DDX47_HUMAN) GeneCards: DDX47 Gene

Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.

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Data Images: 70-455 Anti-DDX 47 antibody, rabbit serum

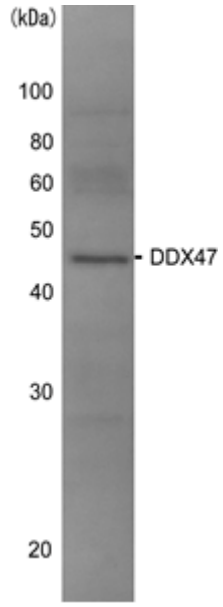

Fig.1 Western blot analysis of DDX47 in HeLa whole cell lysate

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

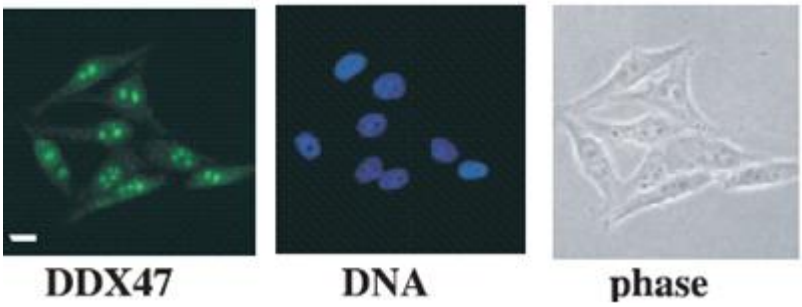

Fig. 2 Immunofluorescent staining of DDX47 in HeLa cell lines with anti DDX47 antibody

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

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

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