



POLYCLONAL ANTIBODY

*For research use only. Not for clinical diagnosis.***Catalog No. BAM-70-455-EX****Anti- DDX 47****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.

Product type	Primary antibodies
Antigen	Purified Human DDX47 fused with GST
Host	Rabbit
Clone	-
Isotype	-
Source	Serum
Form	Undiluted anti rabbit serum added with 0.05 % sodium azide
Concentration	-
Volume	100 ul
Label	-
Specificity	Reacts with DDX47 of human and rodents
Cross reactivity	Human, Rodents
Storage	Shipped at 4°C. Upon arrival aliquot and store at -20°C or below.
Other	Data Link : UniProtKB/Swiss-Prot Q9H0S4 (DDX47_HUMAN). GeneCards: DDX47 Gene

Application notes	WB, IF Other applications have not been tested. Recommended dilutions Western blotting (- 1,000 fold dilution) Immunofluorescent staining (- 500 fold dilution) Optimal dilutions/concentrations should be determined by the end user.
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References	1) 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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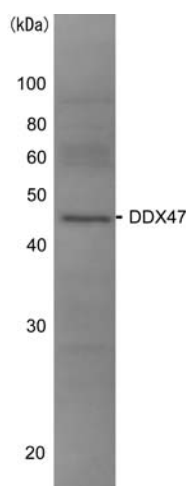


Fig.1 . Western blot analysis of DDX47 in the whole cell extracts of HeLa cells (10mg) with anti-DDX47 antibody at 1/1,000 dilution

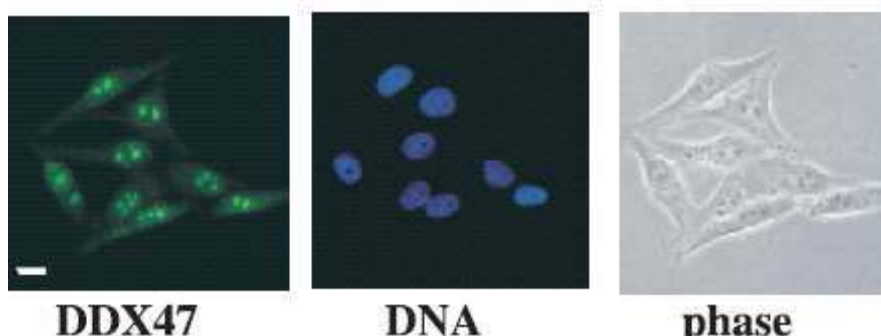


Fig.2 HeLa cells were fixed and immunostained with anti-DDX47 antibody followed by FITC-conjugated anti-rabbit IgG secondary antibody. DNA was stained with Hoechst dye.

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