

Anti-DDX 18 antibody, rabbit serum

Product code	70-453
Size	100 µl
Storage	Store 4°C for short term For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Concentration	N/A
Buffer	0.05% sodium azide
Purity	Rabbit antiserum
Immunogen	Purified Human DDX18 fused with GST
Isotype	Rabbit IgG
Reactivity	DDX18 of human and rodents.
Special notes	N/A
Application	1. Western blotting (1000~ 2,000 fold dilution) 2. Immunofluorescence staining (~500 fold dilution)
Background	DDX18 protein (670aa, 75.4KDa) is a putative ATP-dependent RNA helicase since it possesses a DEAD box motif, characterized by the conserved motif, Asp-Glu-Ala-Asp (DEAD). RNA helicases which may play a role in ribosome biogenesis. DDX18 acts as a cofactor for XPO1-mediated nuclear export of incompletely spliced HIV-1 Rev RNAs. It was also involved in HIV-1 replication and interacts specifically with hepatitis C virus core protein resulting in a change in intracellular location.
Data Link	UniProtKB Q9NVP1 (DDX18_HUMAN)
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 70-453 Anti-DDX 18 antibody, rabbit serum

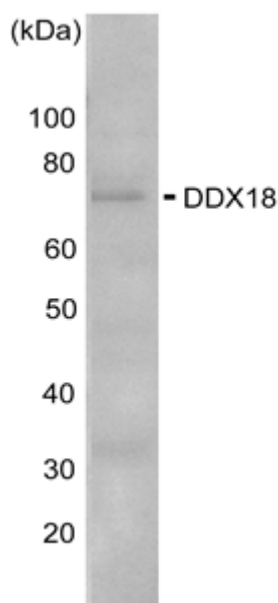


Fig.1 Western blot analysis of DDX18 in HeLa whole cell lysate

Western blot analysis of DDX3 in the whole cell extracts of HeLa cells (10 μ g) with anti -DDX18 antibody at 1,000 fold dilution.

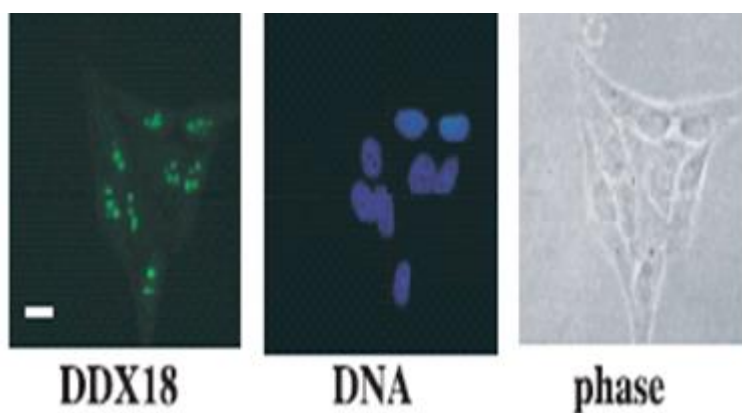


Fig. 2 Immunofluorescent staining of DDX18 in HeLa cell lines with anti DDX18 antibody

Immunostaining of DDX18 in HeLa cells with anti DDX18 antibody followed by FITC-conjugated anti-rabbit IgG second antibody. Nuclei was stained with Hoechst dye.

Reference : This product is described and used in reference 1.

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](https://pubmed.ncbi.nlm.nih.gov/16963496/)