

## anti- DDX21 antibody

### Product Information

Catalog No.:	FNab02299
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

RNA helicase that acts as a sensor of the transcriptional status of both RNA polymerase(Pol) I and II: promotes ribosomal RNA(rRNA) processing and transcription from polymerase II(Pol II)(PubMed:25470060). Binds various RNAs, such as rRNAs, snoRNAs, 7SK and, at lower extent, mRNAs(PubMed:25470060). In the nucleolus, localizes to rDNA locus, where it directly binds rRNAs and snoRNAs, and promotes rRNA transcription, processing and modification. Required for rRNA 2'-O-methylation, possibly by promoting the recruitment of late-acting snoRNAs SNORD56 and SNORD58 with pre-ribosomal complexes(PubMed:25470060, PubMed:25477391). In the nucleoplasm, binds 7SK RNA and is recruited to the promoters of Pol II-transcribed genes: acts by facilitating the release of P-TEFb from inhibitory 7SK snRNP in a manner that is dependent on its helicase activity, thereby promoting transcription of its target genes(PubMed:25470060). Functions as cofactor for JUN-activated transcription: required for phosphorylation of JUN at 'Ser-77'(PubMed:11823437, PubMed:25260534). Can unwind double-stranded RNA(helicase) and can fold or introduce a secondary structure to a single-stranded RNA(foldase)(PubMed:9461305). Involved in rRNAprocessing(PubMed:14559904, PubMed:18180292).

### Immunogen information

Immunogen: DEAD(Asp-Glu-Ala-Asp) box polypeptide 21

### Wuhan Fine Biotech Co., Ltd.

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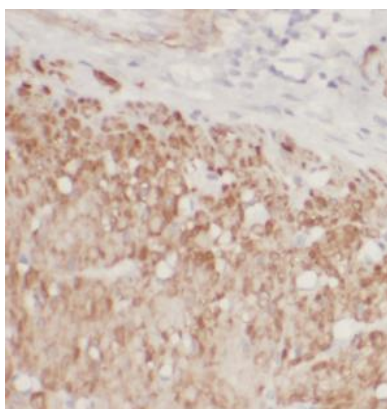
Fax: (0086)027-87800889 [www.fn-test.com](http://www.fn-test.com)

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Synonyms: None  
Observed MW: 87 kDa  
UniprotID : Q9NR30

### Application

Reactivity: Human, Mouse, Rat  
Tested Application: ELISA, WB, IHC, IF, IP  
Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IHC: 1:20-1:200; IF: 1:20-1:200  
Image:



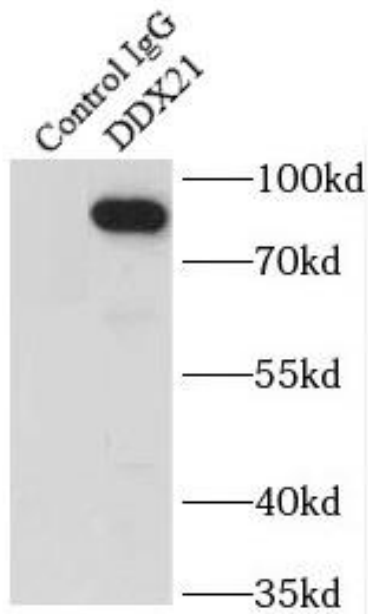
Immunohistochemistry of paraffin-embedded human colon cancer using FNab02299(DDX21 antibody) at dilution of 1:100

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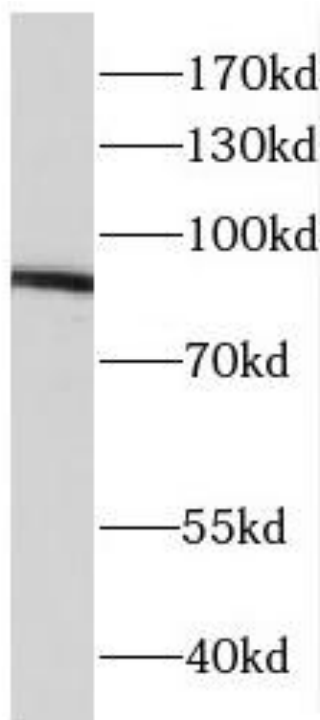
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IP Result of anti-DDX21 (IP:FNab02299, 4ug;  
Detection:FNab02299 1:1000) with COLO 320  
cells lysate 2800ug.



HepG2 cells were subjected to SDS PAGE  
followed by western blot with FNab02299(DDX21  
antibody) at dilution of 1:2000

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