

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 10528-1-AP	<b>GenBank-Zugangsnummer:</b> BC008071	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 900 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 9188	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	<b>IHC 1:50-1:500</b> <b>IF 1:20-1:200</b>
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 87 kDa	
<b>Immunogen Katalognummer:</b> AG0804	<b>Beobachtete Masse:</b> 87 kDa	

## Anwendungen

**Geprüfte Anwendungen:**  
FC, IF, IHC, IP, WB, ELISA

**In Publikationen genannte Anwendungen:**  
ChIP, CoIP, IF, IHC, IP, WB

**Getestete Reaktivität:**  
Human, Maus, Ratte

**Zitierte Arten:**  
Human, Maus

**Positivkontrollen:**

**WB:** COLO 320-Zellen, HeLa-Zellen, HepG2-Zellen, Jurkat-Zellen, PC-3-Zellen

**IP:** COLO 320-Zellen,

**IHC:** humanes Kolonkarzinomgewebe, humanes Mammakarzinomgewebe

**IF:** HepG2-Zellen,

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Hintergrundinformationen

DDX21 protein belongs to DEAD box protein family which is characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD). As a putative RNA helicase, DDX21 unwinds double-stranded RNA, folds single-stranded RNA and is involved in process including ribosomal RNA biogenesis, RNA editing and general transcription. Interaction of DDX21 and c-Jun was reported in ribosomal RNA processing. DDX21 exists as two isoforms, molecular weight of modified isoform one is about 87-100 kDa, and the post-modified isoform is about 75-85 kDa. Catalog# 10528-1-AP is a rabbit polyclonal antibody raised against N-terminal of human DDX21.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Hongyun Hao	31554690	J Virol	
Chandreyee Datta	36306353	Sci Adv	WB
Ankang Hu	36505822	Front Oncol	IHC,WB,IF

## Lagerung

**Lagerungsbedingungen:**

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

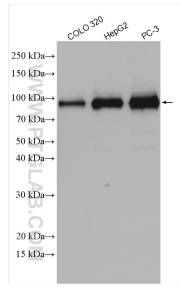
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

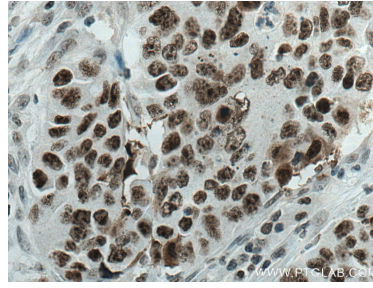
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

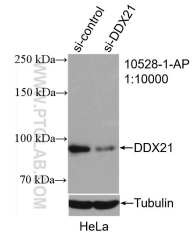
## Ausgewählte Validierungsdaten



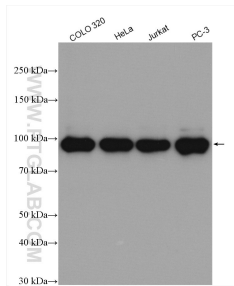
Various lysates were subjected to SDS PAGE followed by western blot with 10528-1-AP (DDX21 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



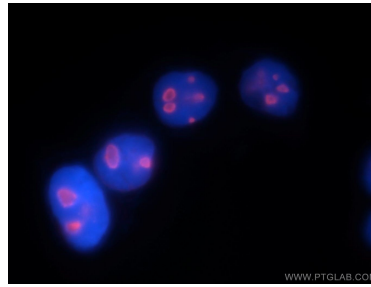
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10528-1-AP (DDX21 antibody) at dilution of 1:200 (under 40x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



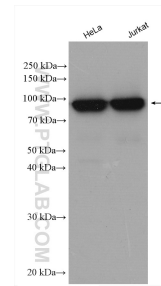
WB result of DDX21 antibody (10528-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DDX21 transfected HeLa cells.



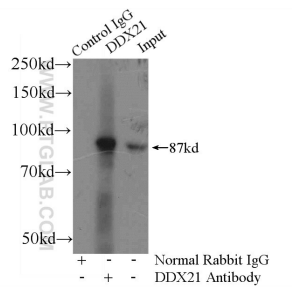
Various lysates were subjected to SDS PAGE followed by western blot with 10528-1-AP (DDX21 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



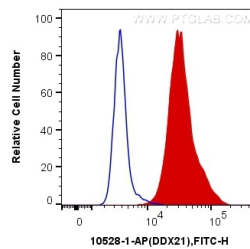
Immunofluorescent analysis of HepG2 cells, using DDX21 antibody 10528-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Various lysates were subjected to SDS PAGE followed by western blot with 10528-1-AP (DDX21 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP Result of anti-DDX21 (IP:10528-1-AP, 4ug; Detection:10528-1-AP 1:1000) with COLO 320 cells lysate 2800ug.



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.2 ug Anti-Human DDX21 (10528-1-AP) and CoraLite<sup>®</sup>488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).