

DDX21 Polyclonal antibody

Catalog Number: 10528-1-AP

Featured Product

36 Publications

Basic Information

Catalog Number:

10528-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0804

GenBank Accession Number:

BC008071

GeneID (NCBI):

9188

UNIPROT ID:

Q9NR30

Full Name:

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

Calculated MW:

87 kDa

Observed MW:

87 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP, RIP

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB: COLO 320 cells, HeLa cells, Jurkat cells, PC-3 cells, HepG2 cells

IP: COLO 320 cells,

IHC: human colon cancer tissue, human breast cancer tissue

IF/ICC: HeLa cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

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.

Notable Publications

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

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

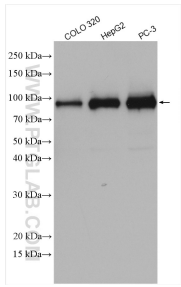
For technical support and original validation data for this product please contact:

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

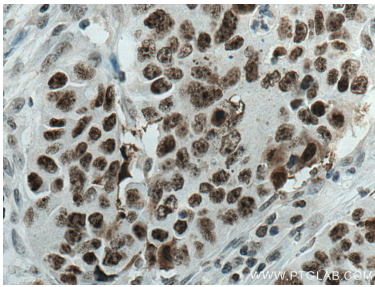
E: proteintech@ptglab.com
W: ptglab.com

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

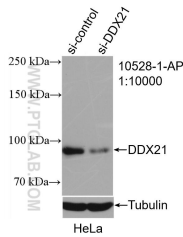
Selected Validation Data



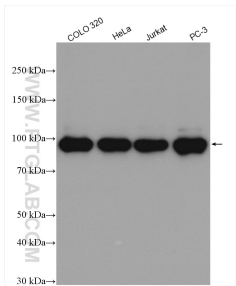
Various lysates were subjected to SDS PAGE followed by western blot with 10528-1-AP (DDX21 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



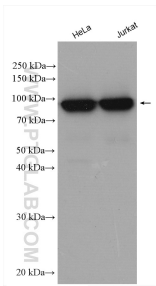
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10528-1-AP (DDX21 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



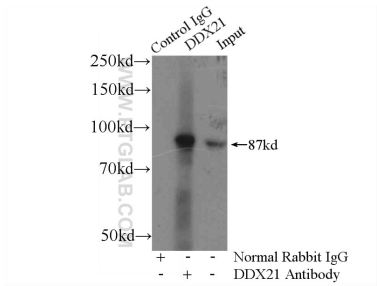
WB result of DDX21 antibody (10528-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DDX21 transfected HeLa cells.



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.



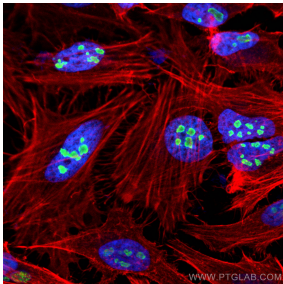
Various lysates were subjected to SDS PAGE followed by western blot with 10528-1-AP (DDX21 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



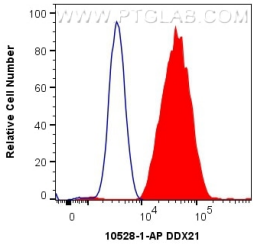
IP result of anti-DDX21 (IP:10528-1-AP, 4ug; Detection:10528-1-AP 1:1000) with COLO 320 cells lysate 2800ug.



IP result of anti-DDX21 (IP:10528-1-AP, 4ug; Detection:10528-1-AP 1:15000) with COLO 320 cells lysate 2400 ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using DDX21 antibody (10528-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug Anti-Human DDX21 (10528-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).