

DDX21 Polyclonal Antibody

Catalog number: 10528-1-AP

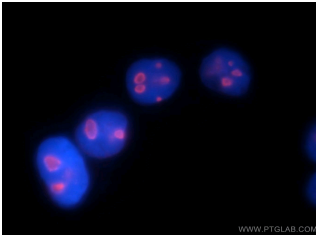
Size: 64 µg/150 µl

Source: Rabbit

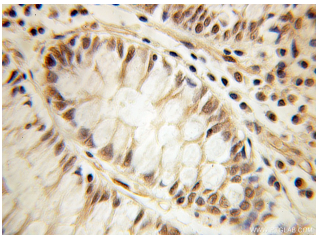
Isotype: IgG

Synonyms:

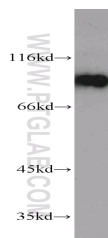
DDX21; DDX21, DEAD box protein 21, DKFZp686F21172, Gu alpha, GUA, GURDB, Nucleolar RNA helicase 2, Nucleolar RNA helicase Gu, Nucleolar RNA helicase II, RH II/GU, RH II/GuA



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).



Immunohistochemical of paraffin-embedded human colon cancer using 10528-1-AP (DDX21 antibody) at dilution of 1:100 (under 10x lens)



HepG2 cells were subjected to SDS PAGE followed by western blot with 10528-1-AP (DDX21 antibody) at dilution of 1:2000

Background

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.

Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated DDX21 MW:	87 kDa
Observed DDX21 MW:	87 kDa
Positive WB detected in	HepG2 cells, BxPC-3 cells, COLO 320 cells, HEK-293 cells, HeLa cells, human testis tissue, K-562 cells, mouse colon tissue, mouse liver tissue, mouse testis tissue, rat liver tissue
Positive IP detected in	COLO 320 cells
Positive IHC detected in	Human colon cancer tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:1000-1:10000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:20-1:200

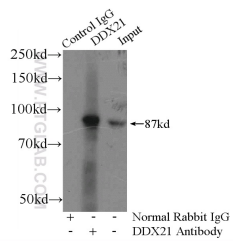
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0804
GenBank accession number:	BC008071
Gene ID (NCBI):	9188
Full name:	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



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