

For Research Use Only

DDX47 Recombinant antibody

Catalog Number: 83287-3-RR



Basic Information

Catalog Number: 83287-3-RR	GenBank Accession Number: BC068009	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 51202	CloneNo.: 240193C4
Source: Rabbit	UNIPROT ID: Q9H0S4	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: DEAD (Asp-Glu-Ala-Asp) box polypeptide 47	
Immunogen Catalog Number: AG11953	Calculated MW: 455 aa, 51 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications: WB, IF/ICC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human	WB : HeLa cells, MCF-7 cells, Jurkat cells, SH-SY5Y cells, HEK-293 cells IF/ICC : U2OS cells,

Background Information

DEAD-box helicase 47 (DDX47) is a member of the DEAD-box protein family. It contains two conserved domains: DEXDc (DEAD-like helicases superfamily) and HELICc (helicase superfamily c-terminal domain) (PMID: 16337753). DDX47 can shuttle between the nucleus and the cytoplasm. In different cancers, evidence has shown that DDX47 is a poor prognostic predictor for renal cell carcinoma, as well as a diagnostic biomarker for breast cancer and chronic myeloid leukemia (PMID: 35490652).

Storage

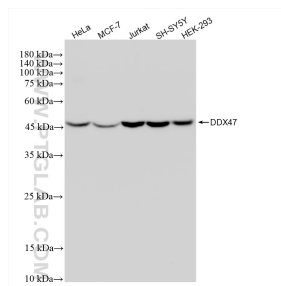
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

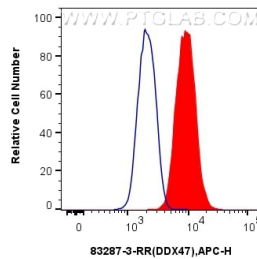
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

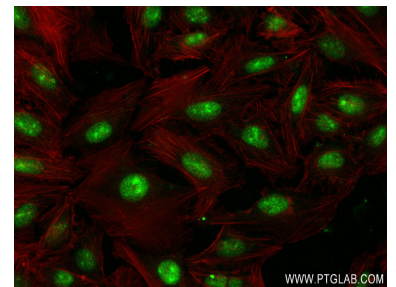
Selected Validation Data



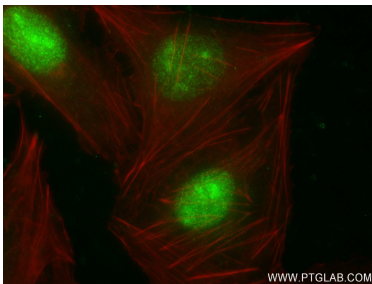
Various lysates were subjected to SDS PAGE followed by western blot with 83287-3-RR (DDX47 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ U2OS cells were intracellularly stained with 0.25 ug DDX47 Recombinant antibody (83287-3-RR, Clone:240193C4) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using DDX47 antibody (83287-3-RR, Clone: 240193C4) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using DDX47 antibody (83287-3-RR, Clone: 240193C4) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).