

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 µg/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: WB : HeLa cells, MCF-7 cells, Jurkat cells, SH-SY5Y cells, HEK-293 cells
Species Specificity: human	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

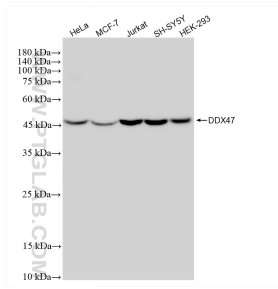
For technical support and original validation data for this product please contact:

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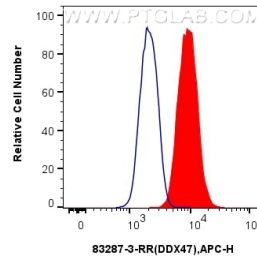
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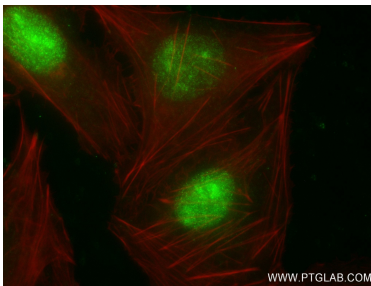
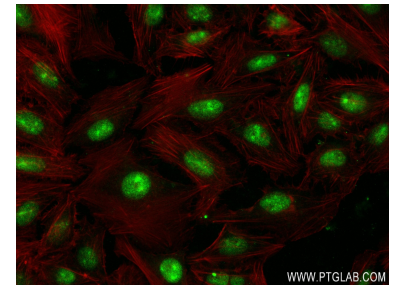
Selected Validation Data



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.



1×10^6 U2OS cells were intracellularly stained with 0.25 μ g DDX47 Recombinant antibody (83287-3-RR, Clone:240193C4) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g 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 AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).