

DDX47 Recombinant antibody

Catalog Number: 83287-3-RR

Basic Information

Catalog Number:

83287-3-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11953

GenBank Accession Number:

BC068009

GeneID (NCBI):

51202

UNIPROT ID:

Q9H0S4

Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 47

Calculated MW:

455 aa, 51 kDa

Observed MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

240193C4

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

Applications

Tested Applications:

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

Species Specificity:

human

Positive Controls:

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:

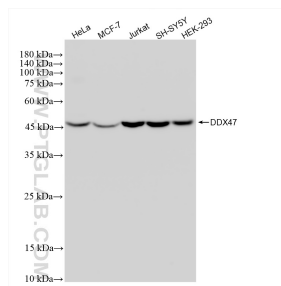
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

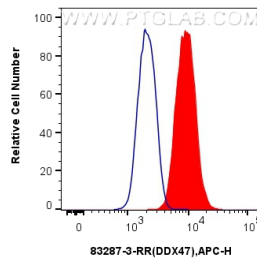
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

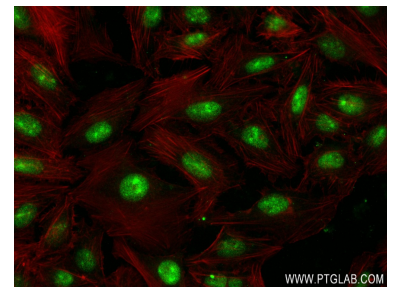
Selected Validation Data



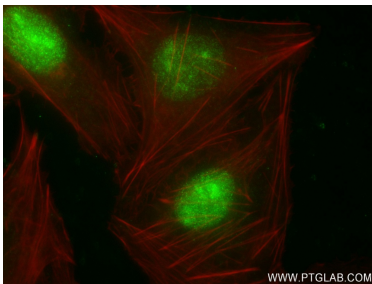
Various lysates were subjected to SDS PAGE followed by western blot with 83287-3-RR (DDX47 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ U2OS cells were intracellularly stained with 0.25 ug DDX47 Recombinant antibody (83287-3-RR, Clone:240193C4) and APC-Conjugated AffiniPure 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 AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



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