

For Research Use Only

# DDX47 Polyclonal antibody

Catalog Number: 17795-1-AP



## Basic Information

<b>Catalog Number:</b> 17795-1-AP	<b>GenBank Accession Number:</b> BC068009	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51202	<b>Recommended Dilutions:</b> WB 1:1000-1:8000
<b>Source:</b> Rabbit	<b>Full Name:</b> DEAD (Asp-Glu-Ala-Asp) box polypeptide 47	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 455 aa, 51 kDa	
<b>Immunogen Catalog Number:</b> AG11953	<b>Observed MW:</b> 48 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells, Jurkat cells, SH-SY5Y cells
<b>Species Specificity:</b> human	

## 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

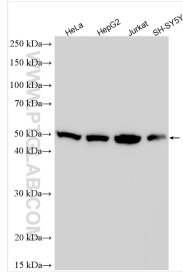
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17795-1-AP (DDX47 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.