

For Research Use Only

# DDX5 Polyclonal antibody

Catalog Number: 10804-1-AP

Featured Product

12 Publications



## Basic Information

### Catalog Number:

10804-1-AP

### Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 307 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1237

### GenBank Accession Number:

BC016027

### GeneID (NCBI):

1655

### UNIPROT ID:

P17844

### Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 5

### Calculated MW:

69 kDa

### Observed MW:

65-68 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:1000

IHC: 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB: NIH/3T3 cells, A431 cells, HeLa cells

IHC: human breast cancer tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

DDX5 or p68, a member of DEAD/H BOX, which has a characteristic DEAD box, is a proliferation-associated nuclear antigen. DDX5 involves in the alternative regulation of pre-mRNA splicing, act as a RNA helicase to increase tau exon10 inclusion in a RBM4-dependent manner. It's also a transcription coactivator for estrogen receptor ESR1 and androgen receptor AR. Once synergized with DDX17 and SRA1 RNA, DDX5 activated MYOD1 transcription activity and involved in skeletal muscle differentiation. For the reason that DDX5 can be phosphorylated and dephosphorylated at several sites, at some cases the molecular weight of DDX5 is less than 68kD, approximately 65kd

## Notable Publications

Author	Pubmed ID	Journal	Application
Norihiro Okada	34082065	Gene	WB
Lingcai Zhao	35583334	Microbiol Spectr	WB,IF,IP
Ping Qiu	35672291	Cell Death Discov	WB,IF

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

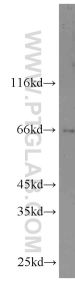
For technical support and original validation data for this product please contact:

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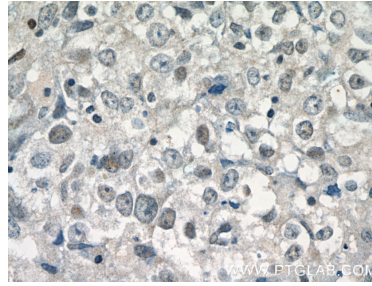
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 10804-1-AP (DDX5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10804-1-AP (DDX5 Antibody) at dilution of 1:50 (under 40x Lens).