

For Research Use Only

# DDB2 Polyclonal antibody

Catalog Number: 30173-1-AP



## Basic Information

<b>Catalog Number:</b> 30173-1-AP	<b>GenBank Accession Number:</b> NM_000107	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1643	<b>Recommended Dilutions:</b> WB 1:2000-1:16000
<b>Source:</b> Rabbit	<b>Full Name:</b> damage-specific DNA binding protein 2, 48kDa	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 48 kDa	
<b>Immunogen Catalog Number:</b> AG32811	<b>Observed MW:</b> 48-51 kDa	

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

Human, Mouse, Rat

### Positive Controls:

WB : A431 cells, PC-12 cells, HCT 116 cells, HeLa cells, HepG2 cells, Jurkat cells, NIH/3T3 cells, mouse kidney tissue, mouse liver tissue

## Background Information

DDB2, also named as DNA damage-binding protein 2 or UV-damaged DNA-binding protein 2, is a 427 amino acid protein, which contains seven WD repeats and belongs to the WD repeat DDB2/WDR76 family. DDB2 is ubiquitously expressed, with highest levels in corneal endothelium and lowest levels in brain. DDB2 localizes in the nucleus and is required for DNA repair. DDB2 regulates negatively the constitutive expression of the SOD2 gene in breast cancer cells and exerts, at least in part, a control of breast cancer cell growth. DDB2 can play a role as oncogene and may become a promising candidate as a predictive marker in breast cancer.

## 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

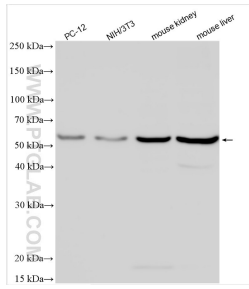
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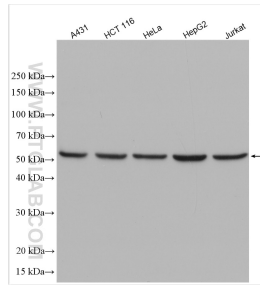
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30173-1-AP (DDB2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



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