

For Research Use Only

# DDB1 Monoclonal antibody

Catalog Number: 66010-1-Ig

Featured Product

2 Publications



## Basic Information

<b>Catalog Number:</b> 66010-1-Ig	<b>GenBank Accession Number:</b> BC011686	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 433 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1642	<b>CloneNo.:</b> 4F6C6
<b>Source:</b> Mouse	<b>Full Name:</b> damage-specific DNA binding protein	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:300-1:1200
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 1140 aa, 127 kDa	
<b>Immunogen Catalog Number:</b> AG17903	<b>Observed MW:</b> 127 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human

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

### Positive Controls:

WB : HeLa cells, A549 cells, NIH/3T3 cells, RAW 264.7 cells, MCF-7 cells

IHC : human liver cancer tissue, human colon cancer tissue, human testis tissue, human cervical cancer tissue

## Background Information

DDB1, also named as XAP1, XPCe, DDBa and XPE-BF, belongs to the DDB1 family. It is required for DNA repair. DDB1 binds to DDB2 to form the UV-damaged DNA-binding protein complex (the UV-DDB complex). The UV-DDB complex may recognize UV-induced DNA damage and recruit proteins of the nucleotide excision repair pathway (the NER pathway) to initiate DNA repair. The functional specificity of the DCX E3 ubiquitin-protein ligase complex is determined by the variable substrate recognition component recruited by DDB1. This antibody is specific to DDB1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yajuan Zhang	34720086	J Clin Invest	WB
Paula Jáuregui	25762741	J Virol	WB

## 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

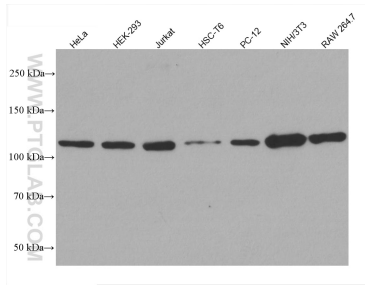
For technical support and original validation data for this product please contact:

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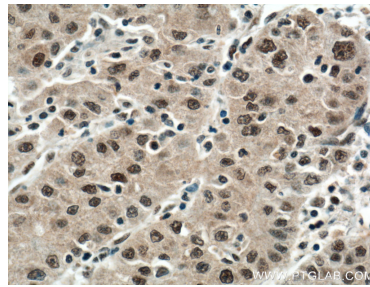
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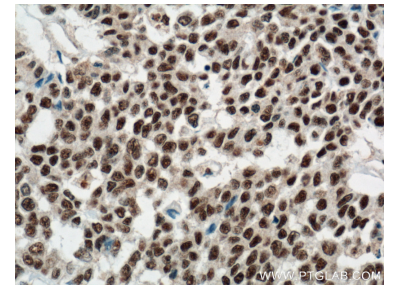
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66010-1-Ig (DDB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66010-1-Ig (DDB1 antibody) at dilution of 1:600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66010-1-Ig (DDB1 antibody) at dilution of 1:600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).