

For Research Use Only

DDB1 Monoclonal antibody

Catalog Number: 66010-1-Ig

Featured Product

3 Publications



Basic Information

Catalog Number:

66010-1-Ig

Size:

150ul, Concentration: 433 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG17903

GenBank Accession Number:

BC011686

GeneID (NCBI):

1642

UNIPROT ID:

Q16531

Full Name:

damage-specific DNA binding protein

1, 127kDa

Calculated MW:

1140 aa, 127 kDa

Observed MW:

127 kDa

Purification Method:

Protein A purification

CloneNo.:

4F6C6

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, 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, MCF-7 cells, A549 cells, HEK-293 cells, Jurkat cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells, RAW 264.7 cells

IHC : human appendicitis tissue, human colon 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
Tian Tang	34878807	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

*** 20ul sizes contain 0.1% BSA

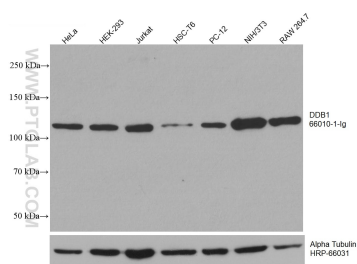
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

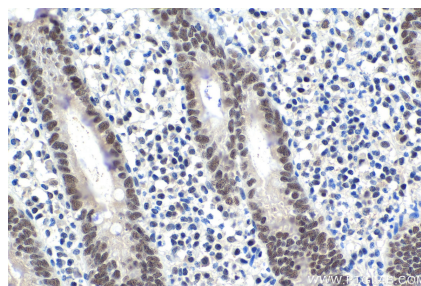
E: proteintech@ptglab.com
W: ptglab.com

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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. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using 66010-1-Ig (DDB1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).