

For Research Use Only

DDB1 Monoclonal antibody

Catalog Number: 66010-1-Ig

Featured Product

3 Publications



Basic Information

Catalog Number: 66010-1-Ig	GenBank Accession Number: BC011686	Purification Method: Protein A purification
Size: 150ul, Concentration: 800 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1642	CloneNo.: 4F6C6
Source: Mouse	UNIPROT ID: Q16531	Recommended Dilutions: WB 1:500-1:2000 IHC 1:500-1:2000
Isotype: IgG2b	Full Name: damage-specific DNA binding protein 1, 127kDa	
Immunogen Catalog Number: AG17903	Calculated MW: 1140 aa, 127 kDa	
	Observed MW: 127 kDa	

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

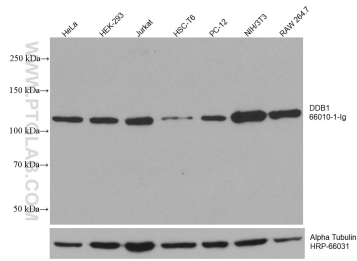
For technical support and original validation data for this product please contact:

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

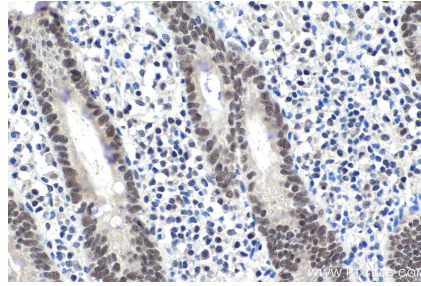
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).