

For Research Use Only

DDB1 Polyclonal antibody

Catalog Number: 11380-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 11380-1-AP	GenBank Accession Number: BC011686	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 300 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1642	Recommended Dilutions: WB 1:500-1:2400 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: damage-specific DNA binding protein 1, 127kDa	Observed MW: 127 kDa
Isotype: IgG	Calculated MW: 1140 aa, 127 kDa	
Immunogen Catalog Number: AG1901		

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

CoIP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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: mouse testis tissue, HeLa cells, human brain tissue, human kidney tissue, human placenta tissue, Jurkat cells, rat testis tissue

IP: Jurkat cells,

IHC: 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
Di Chen	31181401	iScience	CoIP
Tang Siwei S	23472066	PLoS One	WB
Xiaoyan Hu	30718461	Cell Death Dis	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

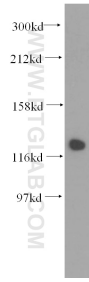
For technical support and original validation data for this product please contact:

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

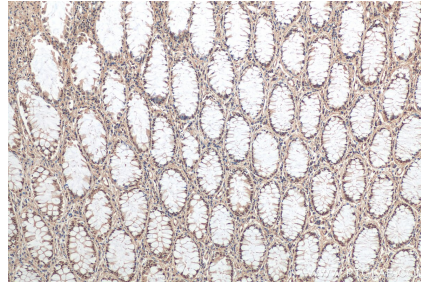
E: proteintech@ptglab.com
W: ptglab.com

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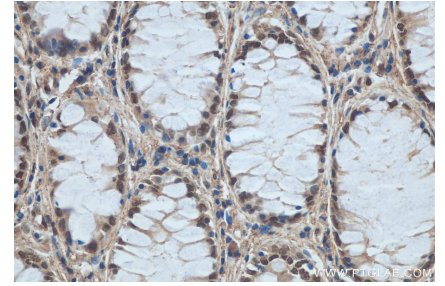
Selected Validation Data



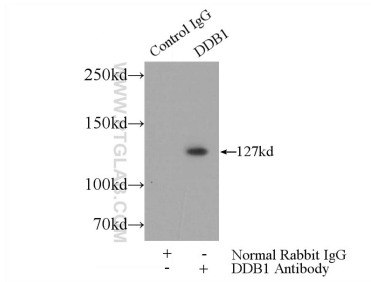
mouse testis tissue were subjected to SDS PAGE followed by western blot with 11380-1-AP (DDB1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11380-1-AP (DDB1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11380-1-AP (DDB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-DDB1 (IP:11380-1-AP, 5ug; Detection:11380-1-AP 1:500) with Jurkat cells lysate 3080ug.