

## DDB1 Polyclonal Antibody

Catalog number: 11380-1-AP

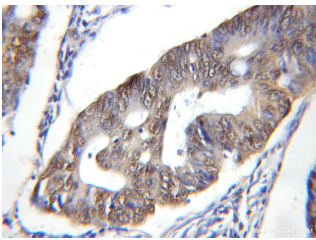
Size: 20 µg/150 µl

Source: Rabbit

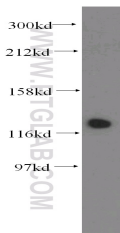
Isotype: IgG

Synonyms:

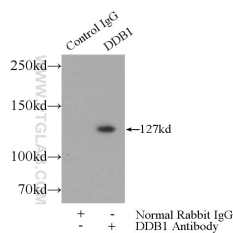
DDB1; DDB p127 subunit,  
DDB1, DDBA, DNA damage  
binding protein 1, DNA damage  
binding protein a, HBV X  
associated protein 1, UV  
damaged DNA binding factor,  
UV DDB 1, UV DDB1, XAP 1,  
XAP1, XPCE, XPE, XPE BF, XPE  
binding factor



Immunohistochemical of paraffin-embedded human colon cancer using 11380-1-AP (DDB1 antibody) at dilution of 1:50 (under 10x lens)



mouse testis tissue were subjected to SDS PAGE followed by western blot with 11380-1-AP (DDB1 antibody) at dilution of 1:500



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

### Background

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.

### Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated DDB1 MW:	1140aa, 127 kDa
Observed DDB1 MW:	127 kDa
Positive WB detected in	Mouse testis tissue, HeLa cells, human brain tissue, human kidney tissue, human placenta tissue, Jurkat cells, rat testis tissue
Positive IP detected in	Jurkat cells
Positive IHC detected in	Human colon cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1901
GenBank accession number:	BC011686
Gene ID (NCBI):	1642
Full name:	Damage-specific DNA binding protein 1, 127kDa

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.