antibodies - online.com







anti-DDB2 antibody (AA 201-300)





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Quantity:	100 μL
Target:	DDB2
Binding Specificity:	AA 201-300
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDB2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DDB2
Isotype:	IgG
Specificity:	This antibody may have a minor secondary cross-reactivity to TNFAIP3-interacting protein 2 due to a 63 % non-sequential sequence similarity in the immunogen region.
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Cow,Horse,Rabbit
Purification:	Purified by Protein A.

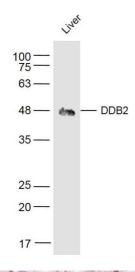
Target Details

Target:	DDB2		
Alternative Name:	DDB2 (DDB2 Products)		
Background:	Synonyms: DDBB, UV-DDB2, DNA damage-binding protein 2, DDB p48 subunit, Damage-specific		
	DNA-binding protein 2, UV-damaged DNA-binding protein 2, UV-DDB 2, DDB2		
	Background: Required for DNA repair. Binds to DDB1 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 UV-DDB complex preferentially binds to cyclobutane pyrimidine dimers		
	(CPD), 6-4 photoproducts (6-4 PP), apurinic sites and short mismatches. Also appears to		
	function as the substrate recognition module for the DCX (DDB1-CUL4-X-box) E3 ubiquitin-		
	protein ligase complex DDB1-CUL4-ROC1 (also known as CUL4-DDB-ROC1 and CUL4-DDB-		
	RBX1). The DDB1-CUL4-ROC1 complex may ubiquitinate histone H2A, histone H3 and histone		
	H4 at sites of UV-induced DNA damage. The ubiquitination of histones may facilitate their		
	removal from the nucleosome and promote subsequent DNA repair. The DDB1-CUL4-ROC1		
	complex also ubiquitinates XPC, which may enhance DNA-binding by XPC and promote NER.		
	Isoform D1 and isoform D2 inhibit UV-damaged DNA repair.		
Gene ID:	1643		
UniProt:	Q92466		
Pathways:	DNA Damage Repair		
Application Details			
Application Notes:	WB 1:300-5000		
	ELISA 1:500-1000		
	IHC-P 1:200-400		
	IHC-F 1:100-500		
	IF(IHC-P) 1:50-200		
	IF(IHC-F) 1:50-200		
	IF(ICC) 1:50-200		
Restrictions:	For Research Use only		
Handling			
	Liquid		

Handling

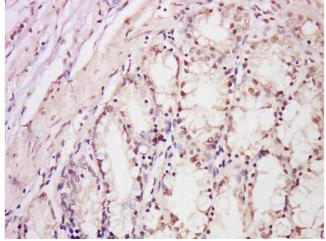
Concentration:	1 μg/μL	
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	
Expiry Date:	12 months	

Images



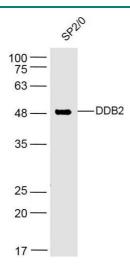
Western Blotting

Image 1. Mouse Liver lysates probed with DDB2 Polyclonal Antibody, Unconjugated at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded rat intestine labeled with Anti-DDB2 Polyclonal Antibody, Unconjugated at 1:300 followed by conjugation to the secondary antibody and DAB staining.



Western Blotting

Image 3. SP2/0 lysates probed with DDB2 Polyclonal Antibody, Unconjugated at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.