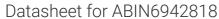
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anti-DDB2 antibody



Go to Product page

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Quantity:	100 μL
Target:	DDB2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This DDB2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant protein with C-terminal human DDB2.
Clone:	5A3
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	DDB2
Alternative Name:	DDB2 (DDB2 Products)
Background:	Synonyms: DNA damage-binding protein 2, DDB p48 subunit, Damage-specific DNA-binding

protein 2, UV-damaged DNA-binding protein 2, DDBb, 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
	FCM 1:20-100
	IHC-P 1:200-400
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months