Datasheet for ABIN7150131

anti-DDB2 antibody (AA 1-185) (HRP)

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Overview

Quantity:	100 µg
Target:	DDB2
Binding Specificity:	AA 1-185
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDB2 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human DNA damage-binding protein 2 protein (1-185AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	DDB2
Alternative Name:	DDB2 (DDB2 Products)
Background:	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

Target Details

	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. Aliases: damage-specific DNA binding protein 2 antibody, Damage-specific DNA-binding protein 2 antibody, DDB p48 subunit antibody, Ddb2 antibody, DDB2_HUMAN antibody, DDBb antibody, DNA damage-binding protein 2 antibody, UV-damaged DNA-binding protein 2 antibody, UV-DDB 2 antibody, Xeroderma pigmentosum group E protei antibody
UniProt:	Q92466
Pathways:	DNA Damage Repair

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.