

Datasheet for ABIN7467424 **anti-DDB1 antibody**



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Overview

Quantity:	100 µL
Target:	DDB1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DDB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthetic peptide conjugated to protein carrier. The mice were immunized with a combination of N & C peptide. The Swiss Prot ID is Q16531.
Clone:	1322
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Protein G purified

Target Details

Target:	DDB1
Alternative Name:	damage specific DNA binding protein 1 (DDB1 Products)
Background:	Damage specific DNA binding protein 1 , DDBA , UV-DDB1 , XAP1 , XPCE , XPE , XPE-BF,The

Target Details

protein encoded by this gene is the large subunit (p127) of the heterodimeric DNA damage-binding (DDB) complex while another protein (p48) forms the small subunit. This protein complex functions in nucleotide-excision repair and binds to DNA following UV damage. Defective activity of this complex causes the repair defect in patients with xeroderma pigmentosum complementation group E (XPE) - an autosomal recessive disorder characterized by photosensitivity and early onset of carcinomas. However, it remains for mutation analysis to demonstrate whether the defect in XPE patients is in this gene or the gene encoding the small subunit. In addition, Best vitelliform macular dystrophy is mapped to the same region as this gene on 11q, but no sequence alternations of this gene are demonstrated in Best disease patients. The protein encoded by this gene also functions as an adaptor molecule for the cullin 4 (CUL4) ubiquitin E3 ligase complex by facilitating the binding of substrates to this complex and the ubiquitination of proteins. [provided by RefSeq, May 2012]

Molecular Weight: 127 kDa

Gene ID: 1642

UniProt: [Q16531](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: For ELISA: Use at an assay dependent dilution. For WB(ECL): Use at a dilution of 1:1,000 in 5 % Milk/PBS containing 0.05 % Tween. We recommend an overnight incubation at 4°C. Secondary antibody (GTX30590) 2 hours at RT with dilution of 1:5,000 in 5 % Milk/PBS containing 0.05 % Tween. Not tested in other applications. Optimal dilutions/concentrations should be determined by the researcher.

Comment: Positive Control: T47D and MCF-7 whole cell lysate

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 3 mg/mL

Buffer: PBS pH 7.2, No Preservative

Preservative: Without preservative

Handling

Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.