

Datasheet for ABIN7467425 **anti-DDB1 antibody**



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	DDB1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDB1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Synthetic peptide conjugated to protein carrier.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Affinity purified with antigen

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 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.

Target Details

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 WB: Use at an assay dependent dilution. Predicted molecular weight: 127 kDa. 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: 1 mg/mL

Buffer: PBS pH 7.2, No Preservative

Preservative: Without preservative

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.