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Product datasheet for TA346930S

DDB1 Mouse Monoclonal Antibody [Clone ID: 2D6-B5-E6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2D6-B5-E6
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	The immunogen for DDB1 antibody: purified recombinant human DDB1 protein fragments expressed in E.coli.
Formulation:	ascites
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	127 kDa
Gene Name:	damage specific DNA binding protein 1
Database Link:	NP_001914 Entrez Gene 13194 MouseEntrez Gene 64470 RatEntrez Gene 1642 Human Q16531

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Background: 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.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 mascular 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]

Synonyms: DDBA; UV-DDB1; XAP1; XPCE; XPE; XPE-BF

Protein Families: Druggable Genome

Protein Pathways: Nucleotide excision repair, Ubiquitin mediated proteolysis