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Product datasheet for TA359392

DDB1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of Human DDB1
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	125kDa
Gene Name:	damage specific DNA binding protein 1
Database Link:	<u>XP_005273861</u> <u>Entrez Gene 1642 Human</u> <u>Q16531</u>



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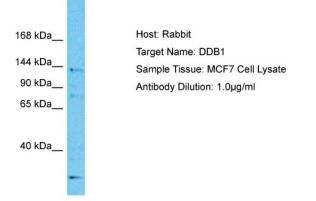
DDB1 Rabbit Polyclonal Antibody – TA359392

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.

Synonyms:

DDBa; UV-DDB1; XAP-1; XAP1; XPCE; XPE; XPE-BF

Product images:



Host: Rabbit Target Name: DDB1 Sample Type: MCF7 Whole Cell lysates Antibody Dilution: 1.0ug/ml

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