

Product datasheet for **TA327198S**

DDB2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB 1:500 - 1:2000;IF 1:50- 1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human DDB2
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	damage specific DNA binding protein 2
Database Link:	NP_000098 Entrez Gene 107986 Mouse Entrez Gene 100362121 Rat Entrez Gene 1643 Human Q92466
Background:	Damaged DNA-Binding Protein (DDB) consists of a 127 kDa subunit (DDB-1) and a 48 kDa subunit (DDB-2) that contribute to the formation of the UV-damaged DNA-binding protein complex (UV-DDB) . In conjunction with CUL4A and ROC-1, the UV-DDB complex forms an E3 ubiquitin ligase that recognizes a broad spectrum of DNA lesions such as cyclobutane pyrimidine dimers, 6-4 photoproducts, apurinic sites and short mismatches. The complex polyubiquitinates components of the nucleotide excision repair pathway . Loss of DDB activity has been identified in a subset of xeroderma pigmentosum complementation group E (XP-E) patients and has been linked to the deficient repair of cyclobutane pyrimidine dimers in cells derived from these patients .



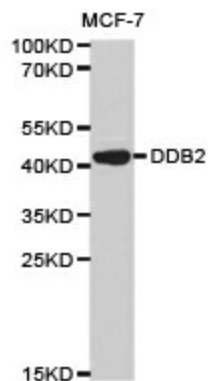
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Synonyms: DDBB; UV-DDB2; XPE

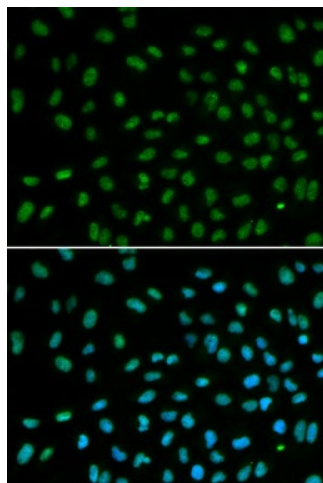
Protein Families: Druggable Genome

Protein Pathways: Nucleotide excision repair, p53 signaling pathway, Ubiquitin mediated proteolysis

Product images:



Western blot analysis of extracts of MCF-7 cell line, using DDB2 antibody.



Immunofluorescence analysis of MCF7 cell using DDB2 antibody. Blue: DAPI for nuclear staining.