

Datasheet for ABIN5699738 **anti-DDB1 antibody**

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Overview

Quantity:	100 µg
Target:	DDB1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	damage-specific DNA binding protein 1, 127kDa
Isotype:	IgG

Target Details

Target:	DDB1
Alternative Name:	DDB1 (DDB1 Products)
Background:	Synonyms:DDB p127 subunit, DDB1, DDBA, DNA damage binding protein 1, DNA damage binding protein a, HBV X associated protein 1, UV damaged DNA binding factor, UV DDB 1, UV 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

Target Details

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.

Molecular Weight: 127 kDa

Gene ID: 1642

UniProt: [Q16531](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: mouse testis tissue were subjected to SDS PAGE followed by western blot with FNab02284(DDB1 antibody) at dilution of 1:500

Restrictions: For Research Use only

Handling

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze / thaw cycles.

Storage: -20 °C

Expiry Date: 12 months