

Anti-DDB1 antibody

Cat. No.	ml260249
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-DDB1 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human DDB1
Reactivity	Human, Mouse, Rat
Content	0.1 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	DDB1
Full name	DNA damage-binding protein 1

Synonyms XPE, DDBA, XAP1, XPCE, XPE-BF, UV-DDB1

Swissprot Q16531

Target 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 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.

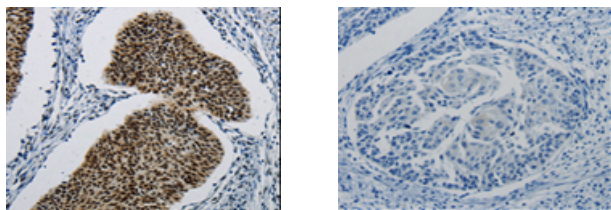
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm, Nucleus

Positive control: Human cervical cancer

Recommended dilution: 10-100



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml260249(DDB1 Antibody) at dilution 1/5, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size: 127 kDa

Positive control: MCF-7, Hela and HepG2 cells

Recommended dilution: 200-1000

Gel: 8%SDS-PAGE

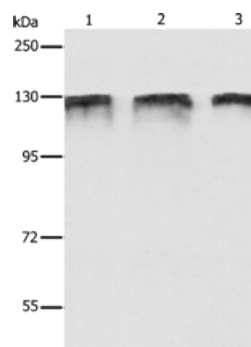
Lysate: 40 μ g

Lane 1-3: MCF7 cells, Hela cells, HepG2 cells

Primary antibody: ml260249(DDB1 Antibody) at dilution 1/350

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute



ELISA

Recommended dilution: 500-5000

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