DDB1 monoclonal antibody

Catalog: MB0133 Host: Mouse Reactivity: Human,Mouse,Rat,Monkey

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.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 127 kDa

Swiss-Prot:

Q16531

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB,1:500 - 1:2000

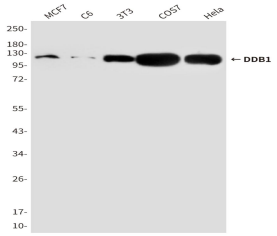
Storage&Stability:

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of DDB1 and does not cross-react with related proteins

DATA:



Western blot analysis of DDB1 in Hela, MCF-7, COS7, C6 and 3T3 lysates using DDB1 antibody.

Note:

For research use only, not for use in diagnostic procedure.

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