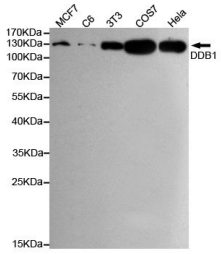
DDB1

Mouse monoclonal Antibody

#53324

Catalog Number: 53324
Amount: 100μg/100μl
Swiss-Prot No. :Q16531
Gene name:ddb1
Gene id:1642
Clone Number： 2D6-B5-E6
Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Storage/Stability: Store at -20℃/1 year
Immunogen: Purified recombinant human DDB1 protein fragments expressed in E.coli
Purification: affinity-chromatography
Specificity/Sensitivity: This antibody detects endogenous levels of DDB1 and does not corss-react with related proteins
Reactivity: Human,Mouse,Rat,Monkey
Applications: Predicted MW: 127 kd WB: 1:1000



Western blot detection of DDB1 in Hela,MCF7,COS7,C6 and 3T3 cell lysates using DDB1 mouse mAb (1:1000diluted),with Super ECL.Predicted band size:127KDa.Observed band size:127KDa.

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.