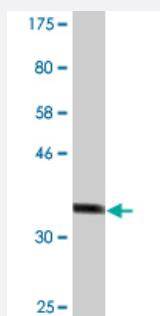


DDB2 monoclonal antibody (M01), clone 1F11

Catalog # H00001643-M01

Size 100 ug

Applications



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant DDB2.
Immunogen	DDB2 (AAH00093, 1 a.a. ~ 109 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAPKKRPETQKTSEIVLRPNKRSRSPLELEPEAKKLCAGSGPSRRCDSDCLWVGLAGPQILP PCRSVRTLHQHKLGRASWPSVQQGLQQSFLHTLDSYRILQKAAP
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — DDB2

Entrez GeneID [1643](#)

GeneBank Accession# [BC000093](#)

Protein Accession# [AAH00093](#)

Gene Name DDB2

Gene Alias DDBB, FLJ34321, UV-DDB2

Gene Description damage-specific DNA binding protein 2, 48kDa

Omim ID [278740 600811](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a protein that is necessary for the repair of ultraviolet light-damaged DNA. This protein is the smaller subunit of a heterodimeric protein complex that participates in nucleotide excision repair, and this complex mediates the ubiquitylation of histones H3 and H4, which facilitates the cellular response to DNA damage. This subunit appears to be required for DNA binding. Mutations in this gene cause xeroderma pigmentosum complementation group E, a recessive disease that is characterized by an increased sensitivity to UV light and a high predisposition for skin cancer development, in some cases accompanied by neurological abnormalities. [provided by RefSeq]

Other Designations

DDB p48 subunit|UV-damaged DNA-binding protein 2|damage-specific DNA binding protein 2|damage-specific DNA binding protein 2 (48kD)|xeroderma pigmentosum group E protein

Pathway

- [Nucleotide excision repair](#)
- [p53 signaling pathway](#)
- [Ubiquitin mediated proteolysis](#)

Disease

- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Lung Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Supranuclear Palsy](#)
- [Urinary Bladder Neoplasms](#)