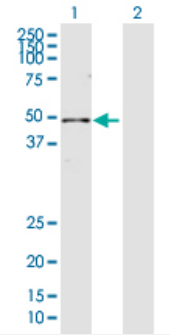
MaxPab®

DDB2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001643-D01P Size 100 ug

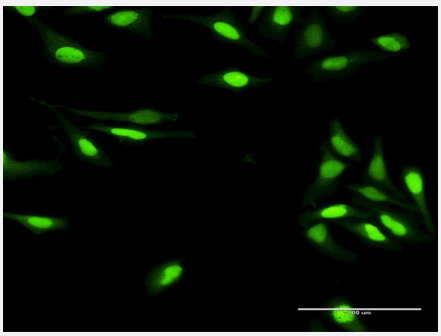
Applications



Western Blot (Transfected lysate)

Western Blot analysis of DDB2 expression in transfected 293T cell line (H00001643-T04) by DDB2 MaxPab polyclonal antibody.

Lane 1: DDB2 transfected lysate(47.90 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to DDB2 on HeLa cell. [antibody concentration 20 ug/ml]

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DDB2 protein.
Immunogen	DDB2 (NP_000098.1, 1 a.a. ~ 427 a.a) full-length human protein.
Sequence	MAPKKRPETQKTSEIVLRPRNKRSRSPLELEPEAKKLCAKGSGPSRRCDSDCLWVGLAGPQILP PCRSIVRTLHQHKLGRASWPSVQQGLQQSFLHTLDSYRILQKAAPFDRRATSLAWHPTHPSTVAV GSKGGDIMLWNFGIKDKPTFIKGIGAGGSITGLKFNPLNTNQFYASSMEGTTRLQDFKGNILRVFAS SDTINIWFCSLDVSASSRMVVTGDNVGNVILLNMDGKELWNLRMHKKKVTHVALNPCCDWFLAT ASVDQTVKIWDLRQVRGKASFLYSLPHRHPVNAACFSPDGARLLTTDQKSEIRVYSASQWDCPL GLIPHPHRHFQHLTPIKAAWHPRYNLIVVGRYPDPNFKSCTPYELRTIDVFDGNSGKMMCQLYDPE SSGISSLNEFNPMGDTLASAMGYHILIWSQEEARTRK

Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Western Blot (Transfected lysate)

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  Protocol Download

- Immunofluorescence

  Immunofluorescence of purified MaxPab antibody to DDB2 on HeLa cell. [antibody concentration 20 ug/ml]

Gene Info — DDB2

Entrez GeneID	1643
GeneBank Accession#	NM_000107.1
Protein Accession#	NP_000098.1
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. Thi s 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 facilita tes 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 dis ease that is characterized by an increased sensitivity to UV light and a high predisposition for ski n 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|d amage-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