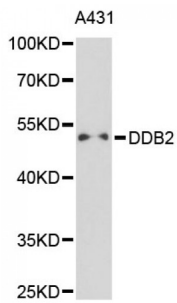
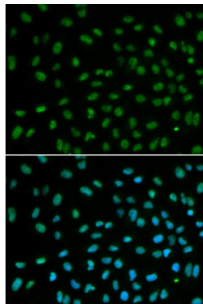


DNA Damage-Binding Protein 2 (DDB2) Antibody

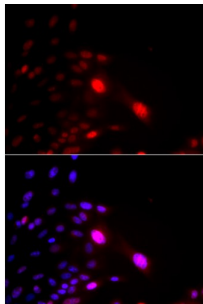
Catalogue No.: abx001528



Western blot analysis of extracts of A-431 cells, using DDB2 antibody (abx001528) at 1/1000 dilution.



Immunofluorescence analysis of MCF-7 cells using DDB2 antibody (abx001528). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using DDB2 antibody (abx001528). Blue: DAPI for nuclear staining. DNA damage by a UV-A laser.

DDB2 Antibody is a Rabbit Polyclonal antibody against DDB2. 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. Two transcript variants encoding different isoforms have been found for this gene.

Target: DNA Damage-Binding Protein 2 (DDB2)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: WB, IF/ICC

Datasheet

Version: 3.0.0
Revision date: 16 Jul 2024



Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-315 of human DDB2.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q92466 (UniProt , ExPASy)
Gene Symbol:	DDB2
GeneID:	1643
NCBI Accession:	NP_000098.1
KEGG:	hsa:1643
String:	9606.ENSP00000256996
Molecular Weight:	Calculated MW: 48 kDa Observed MW: 48 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	This product is for research use only.