

Datasheet for ABIN7266674

**anti-DDB2 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	DDB2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This DDB2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	DDB2 Rabbit mAb
Immunogen:	A synthesized peptide derived from human DDB2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	DDB2
Alternative Name:	DDB2 ( <a href="#">DDB2 Products</a> )
Background:	This gene encodes a protein that is necessary for the repair of ultraviolet light-damaged DNA.

## Target Details

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. [provided by RefSeq, Jul 2014],DDBB, UV-DDB2, XPE,Cell Biology & Developmental Biology,DNA Damage & Repair,Epigenetics & Nuclear Signaling,Ubiquitin,Ubiquitin-Ubiquitin-Proteasome Signaling Pathway,DDB2

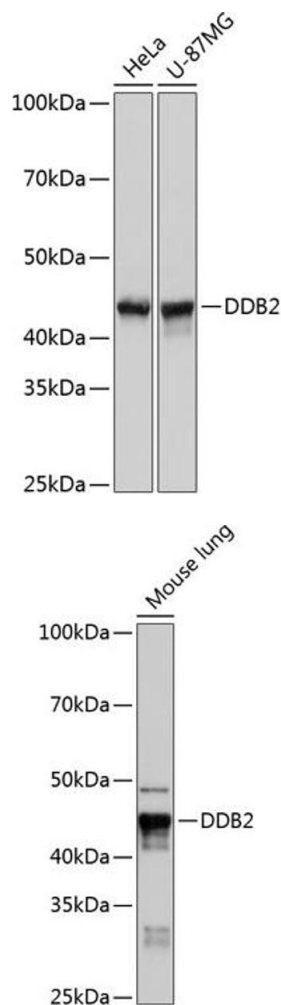
Molecular Weight:	45kDa
Gene ID:	1643
UniProt:	<a href="#">Q92466</a>
Pathways:	<a href="#">DNA Damage Repair</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using DDB2 Rabbit mAb (ABIN7266674) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.

### Western Blotting

**Image 2.** Western blot analysis of extracts of Mouse lung, using DDB2 Rabbit mAb (ABIN7266674) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3 min.