



Datasheet for ABIN7266673  
**anti-DDB1 antibody**



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5 Images

Overview

Quantity:	100 µL
Target:	DDB1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This DDB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Purpose:	DDB1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human DDB1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	DDB1
Alternative Name:	DDB1 ( <a href="#">DDB1 Products</a> )
Background:	The protein encoded by this gene is the large subunit (p127) of the heterodimeric DNA damage-

## Target Details

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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 macular 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. [provided by RefSeq, May 2012],DDBA, UV-DDB1, XAP1, XPCE, XPE, XPE-BF,Cancer,Carbohydrate metabolism,Cell Biology & Developmental Biology,DNA Damage & Repair,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,Neurodegenerative Diseases,Neurodegenerative Diseases\_Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimers Disease,Neuroscience,Signal Transduction,Ubiquitin,Ubiquitin\_Ubiquitin-Proteasome Signaling Pathway,DDB1

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Molecular Weight: 127kDa

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Gene ID: 1642

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UniProt: [Q16531](#)

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Pathways: [DNA Damage Repair](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IP,1:50 - 1:200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

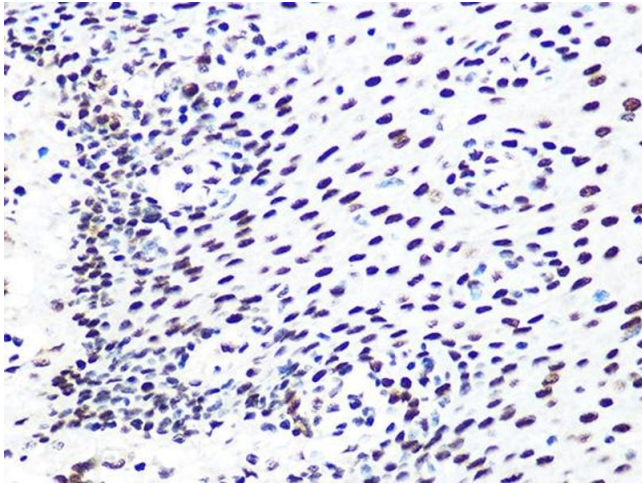
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Storage: -20 °C

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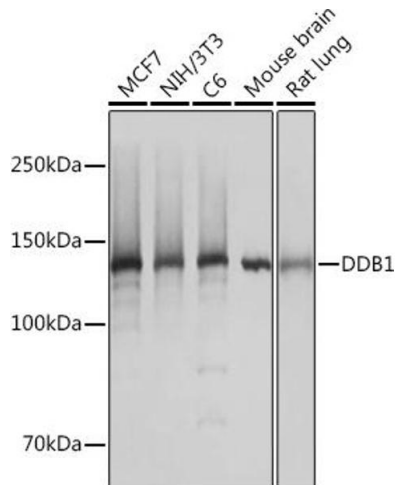
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



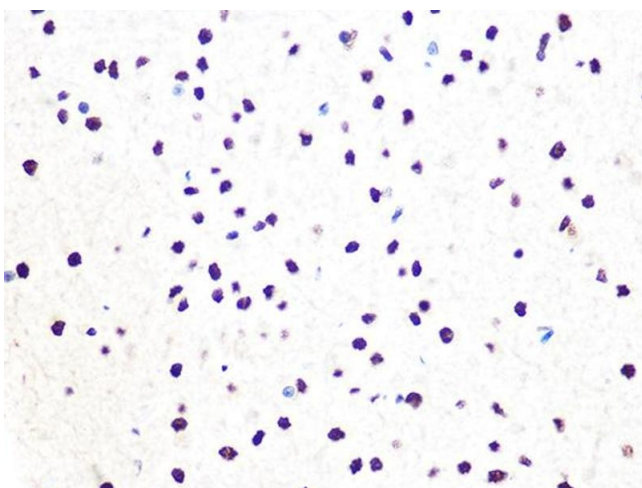
## Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human esophageal using DDB1 Rabbit mAb (ABIN7266673) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



## Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using DDB1 Rabbit mAb (ABIN7266673) 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: 1s.



## Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded rat brain using DDB1 Rabbit mAb (ABIN7266673) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7266673.