



Datasheet for ABIN6971574 **anti-DDB1 antibody (C-Term)**



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	DDB1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDB1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This DDB1 antibody was raised against a peptide from the C-terminus of human DDB1.
Isotype:	IgG
Characteristics:	DDB1 (DNA damage-binding protein 1, HBV X-associated protein 1, XAP-1, Xeroderma pigmentosum group E-complementing protein) is a DNA binding protein that associates with DNA following UV damage and functions in excision repair. In addition to its function in DNA repair, DDB1 plays a role in normal mitotic exit by regulating Anaphase Promoting Complex (APC) activity. Depletion of DDB1 in mitotic cells significantly delays mitotic exit. DDB1 facilitates the binding of substrates to the Cul4-Roc1 complex and the ubiquitination of selected proteins, including histones H2A, H3 and H4 localized to the sites of DNA damage. It is also involved in PCNA-dependent polyubiquitination of CDT1 and MDM2-dependent ubiquitination of P53 in response to radiation-induced DNA damage and during DNA replication. In mouse studies, it was identified that loss of DDB1 function prevents hepatocytes from replicating DNA,

Product Details

inducing compensatory proliferation of normal hepatocytes that leads to development of hepatocellular carcinoma. DDB1 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Western blot, it has been shown to react with Human samples.

Purification: Affinity Purified

Target Details

Target: DDB1

Alternative Name: DDB1 ([DDB1 Products](#))

Molecular Weight: 140 kDa

NCBI Accession: [NP_001914](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

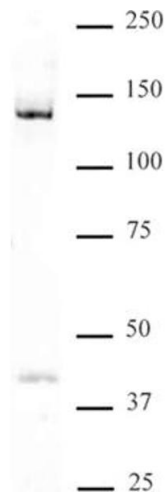
Buffer: Purified IgG in PBS with 30 % glycerol and 0.035 % sodium azide.

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: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.



Western Blotting

Image 1. DDB1 antibody (pAb) tested by Western blot
Nuclear extract of HeLa cells (30 μ g) probed with DDB1
antibody (1:500).