

Datasheet: AHP632

Description:	GOAT ANTI DDB1 (C-TERMINAL)
Specificity:	DDB1 (C-TERMINAL)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting	■			0.2ug/ml - 1ug/ml

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Pig Based on sequence similarity, is expected to react with:Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid

Antiserum Preparation Antisera to DDB1 (CT) were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Peptide sequence DLIKVVEELTRIH corresponding to the C-terminal region of DDB1 (NP_001914).

**External Database
Links**

UniProt:

[Q16531](#) [Related reagents](#)

Entrez Gene:

[1642](#) DDB1 [Related reagents](#)

Synonyms

XAP1

Specificity

Goat anti DDB1 antibody recognizes human DNA damage-binding protein 1, also known as DDB p127 subunit, DNA damage-binding protein a, Damage-specific DNA-binding protein 1, HBV X-associated protein 1, UV-damaged DNA-binding protein 1, XPE-binding factor or Xeroderma pigmentosum group E-complementing protein. DDB1 is an 1140 amino acid ~ kDa cytoplasmic protein that translocated to the nucleus following UV irradiation and subsequently accumulates at the site of DNA damage where it forms part of the UV-DDB complex and is involved in the nucleotide-excision repair of DNA following damage caused by ultraviolet radiation.

Goat anti DDB1 antibody binds to an epitope within the C-terminal (CT) region of damage-specific DNA binding protein 1.

Western Blotting

AHP632 detects a band of approximately 130kDa in HeLa, Jurkat and NSO (mouse) cell lysates.

References

1. Nichols, A.F. *et al.* (2000) Human damage-specific DNA-binding protein p48. Characterization of XPE mutations and regulation following UV irradiation. [J Biol Chem. 275 \(28\): 21422-8.](#)

Further Reading

1. Dualan, R. *et al.* (1995) Chromosomal localization and cDNA cloning of the genes (DDB1 and DDB2) for the p127 and p48 subunits of a human damage-specific DNA binding protein. [Genomics. 29 \(1\): 62-9.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10058 available at:
10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

**North & South
America**

Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

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