

## Datasheet: AHP632

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|----------------------|-----------------------------|
| <b>Description:</b>  | GOAT ANTI DDB1 (C-TERMINAL) |
| <b>Specificity:</b>  | DDB1 (C-TERMINAL)           |
| <b>Format:</b>       | Purified                    |
| <b>Product Type:</b> | Polyclonal Antibody         |
| <b>Isotype:</b>      | Polyclonal IgG              |
| <b>Quantity:</b>     | 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](http://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. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### 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

|                                       |  |
|---------------------------------------|--|
| <b>Preservative Stabilisers</b>       | 0.02% Sodium Azide<br>0.5% Bovine Serum Albumin  |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5 mg/ml  |
| <b>Immunogen</b>                      | Peptide sequence DLIKVVEELTRIH corresponding to the C-terminal region of DDB1 (NP_001914).   |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">Q16531</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">1642</a>    DDB1    <a href="#">Related reagents</a></p>  |
| <b>Synonyms</b>                       | XAP1   |
| <b>RRID</b>                           | AB_2088650   |
| <b>Specificity</b>                    | <p><b>Goat anti DDB1 antibody</b> 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.</p> <p>Goat anti DDB1 antibody binds to an epitope within the C-terminal (CT) region of damage-specific DNA binding protein 1.</p> |
| <b>Western Blotting</b>               | AHP632 detects a band of approximately 130kDa in HeLa, Jurkat and NSO (mouse) cell lysates.  |
| <b>References</b>                     | 1. Nichols, A.F. <i>et al.</i> (2000) Human damage-specific DNA-binding protein p48. Characterization of XPE mutations and regulation following UV irradiation. <a href="#">J Biol Chem. 275 (28): 21422-8.</a>  |
| <b>Further Reading</b>                | 1. Dualan, R. <i>et al.</i> (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. <a href="#">Genomics. 29 (1): 62-9.</a>  |
| <b>Storage</b>                        | <p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in</p>  |

frost-free freezers is not recommended.

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| <b>Guarantee</b> | 12 months from date of despatch |
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| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10058 available at:<br>10058: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf</a> |
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| <b>Regulatory</b> | For research purposes only |
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## Related Products

### Recommended Secondary Antibodies

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

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
|----------------------------------|---|------------------|---|---------------|---|

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M383364:210513'

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