

## Rabbit anti-Human, Mouse DDB1 Polyclonal Antibody | anti-DDB1 antibody

Rabbit anti-DDB1 Antibody, Affinity Purified

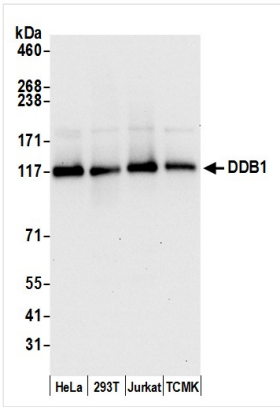
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                            |
|-----------|--------|--------------|---------------------------------------------------------|
| AAA210965 | Rabbit | Human, Mouse | Immunohistochemistry, Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

DDB1; Polyclonal Antibody; Rabbit anti-DDB1 Antibody; Affinity Purified; XAP1; XPE-binding factor; XPE-BF; XPE; XPCE; XAP-1; UV-DDB1; UV-DDB 1; UV-damaged DNA-binding factor; HBV X-associated protein 1; DNA damage-binding protein a; DNA damage-binding protein 1; DDBA; DDB p127 subunit; Damage-specific DNA-binding protein 1; damage-specific DNA binding protein 1; 127kDa; UV-damaged DNA-binding protein 1; xeroderma pigmentosum group E-complementing protein; damage specific DNA binding protein 1; anti-DDB1 antibody

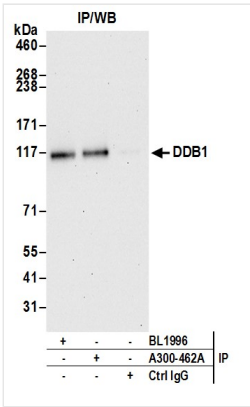
### PRODUCT SPECIFICATIONS

|                                                |                                                                                    |
|------------------------------------------------|------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                             |
| Reactivity                                     | Human, Mouse                                                                       |
| Clonality                                      | Polyclonal                                                                         |
| Purity/Purification                            | Antigen Affinity Purified                                                          |
| Form/Format                                    | Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide |
| Concentration                                  | 200ug/ml (varies by lot)                                                           |
| Applicable Applications for anti-DDB1 antibody | IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)            |
| Predicted Reactivity                           | Rat, X. laevis, Bovine, Orangutan                                                  |
| Immunogen                                      | Between 1090 and C-terminus                                                        |
| Conjugation                                    | Unconjugated                                                                       |
| Preparation and Storage                        | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                   |



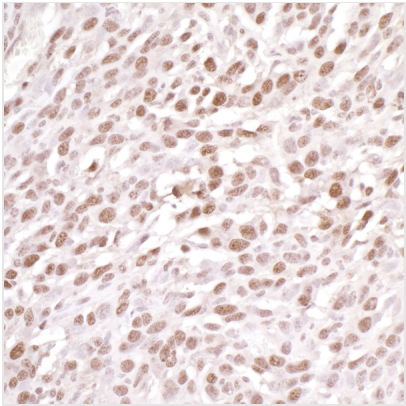
WB (Western Blot)

Detection of human and mouse DDB1 by western blot. Samples: Whole cell lysate (15 ug) from HeLa, HEK293T, Jurkat, and mouse TCMK-1 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-DDB1 antibody AAA210965 (lot AAA210965-3) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



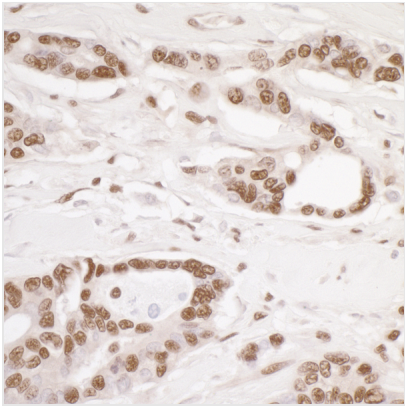
IP (Immunoprecipitation)

Detection of human DDB1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-DDB1 antibody AAA210965 (lot AAA210965-3) used for IP at 3 ug per reaction. DDB1 was also immunoprecipitated by rabbit anti-DDB1 antibody BL1996. For blotting immunoprecipitated DDB1, AAA210965 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IHC (Immunohistochemistry)

Detection of mouse DDB1 by immunohistochemistry. Sample: FFPE section of mouse CT26 colon carcinoma. Antibody: Affinity purified rabbit anti-DDB1 (Cat. No. AAA210965 Lot3) used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB



IHC (Immunohistochemistry)

Detection of human DDB1 by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-DDB1 (Cat. No. AAA210965 Lot3) used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DDB1 antibody | DDB1 (DNA Damage Binding Protein 1) is a subunit of the DNA damage-binding protein complex (DDB) involved in DNA repair. As part of a complex with Cul4-based ubiquitin ligase, Cul4-Ddb1 can directly modify chromatin through the ubiquitination of histones as well as ubiquitinate other chromatin bound factors. A deficiency in Cul4-Ddb1 ubiquitin ligase has been associated with xeroderma pigmentosum, a heritable disease characterized by defects in nucleotide excision repair and skin cancer development. |
| Product Categories/Family for anti-DDB1 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                           |                                                |
|---------------------------|------------------------------------------------|
| NCBI GI #                 | 148529014                                      |
| NCBI GeneID               | 1642                                           |
| NCBI Accession #          | NP_001914.3                                    |
| NCBI GenBank Nucleotide # | NM_001923.4                                    |
| UniProt Accession #       | Q16531; O15176; Q13289; Q58F96; A6NG77; B2R648 |

|                                         |                                                                                                                                                                                                                                                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Weight</b>                 | 1140                                                                                                                                                                                                                                                            |
| <b>NCBI Official Full Name</b>          | DNA damage-binding protein 1                                                                                                                                                                                                                                    |
| <b>NCBI Official Synonym Full Names</b> | damage-specific DNA binding protein 1, 127kDa                                                                                                                                                                                                                   |
| <b>NCBI Official Symbol</b>             | DDB1                                                                                                                                                                                                                                                            |
| <b>NCBI Official Synonym Symbols</b>    | XPE; DDBA; XAP1; XPCE; XPE-BF; UV-DDB1                                                                                                                                                                                                                          |
| <b>NCBI Protein Information</b>         | DNA damage-binding protein 1; XAP-1; UV-DDB 1; DDB p127 subunit; XPE-binding factor; HBV X-associated protein 1; DNA damage-binding protein a; UV-damaged DNA-binding factor; UV-damaged DNA-binding protein 1; xeroderma pigmentosum group E-complementing pro |
| <b>UniProt Protein Name</b>             | DNA damage-binding protein 1                                                                                                                                                                                                                                    |
| <b>UniProt Gene Name</b>                | <b>DDB1</b>                                                                                                                                                                                                                                                     |
| <b>UniProt Synonym Gene Names</b>       | XAP1; DDBa; XAP-1; UV-DDB 1; XPE-BF; XPCE                                                                                                                                                                                                                       |
| <b>UniProt Entry Name</b>               | DDB1_HUMAN                                                                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/ddb1-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/210965>