

Rabbit DDB1 Polyclonal Antibody | anti-DDB1 antibody

DDB1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA166290	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

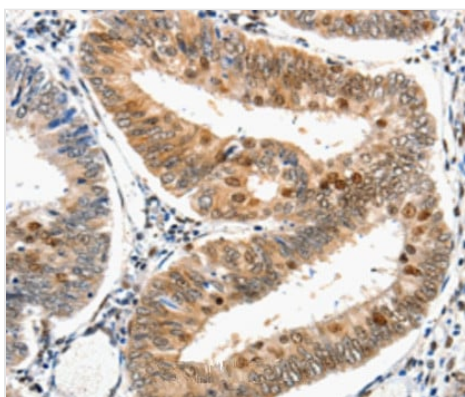
PRODUCT SYNONYMS

DDB1; Polyclonal Antibody; DDB1 Antibody; XPE; DDBA; XAP1; XPCE; XPE-BF; UV-DDB1; anti-DDB1 antibody

PRODUCT SPECIFICATIONS

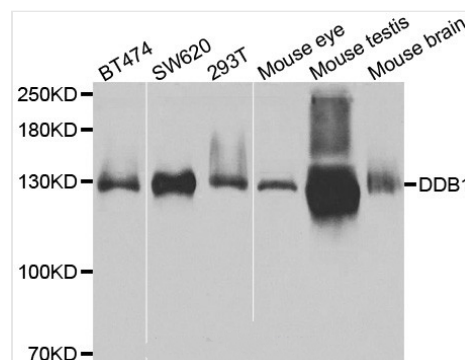
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	1140
Applicable Applications for anti-DDB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human DDB1
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-137132 / sc-137142 / sc-136180 / sc-376860
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human cervical cancer tissue using DDB1 antibody.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using DDB1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DDB1 antibody	The protein encoded by this gene is the large subunit (p127) of the heterodimeric DNA damage-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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148529014
NCBI GeneID	1642
NCBI Accession #	NP_001914.3
NCBI GenBank Nucleotide #	NM_001923.4
Molecular Weight	50,611 Da
NCBI Official Full Name	DNA damage-binding protein 1
NCBI Official Synonym Full Names	damage-specific DNA binding protein 1, 127kDa
NCBI Official Symbol	DDB1
NCBI Official Synonym Symbols	XPE; DDBA; XAP1; XPCE; XPE-BF; UV-DDB1
NCBI Protein Information	DNA damage-binding protein 1; DDB p127 subunit; DNA damage-binding protein a; HBV X-associated protein 1; UV-DDB 1; UV-damaged DNA-binding factor; UV-damaged DNA-binding protein 1; XAP-1; XPE-binding factor; xeroderma pigmentosum group E-complementing protein
UniProt Protein Name	DNA damage-binding protein 1
UniProt Gene Name	DDB1
UniProt Synonym Gene Names	XAP1; DDBa; XAP-1; UV-DDB 1; XPE-BF; XPCE
UniProt Entry Name	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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ddb1-antibody-immunohistochemistry-western-blot-elisa/166290>