

Rabbit DDB1 Polyclonal Antibody | anti-DDB1 antibody

DDB1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA306365	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

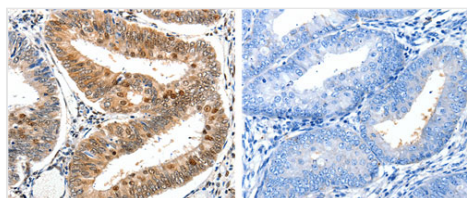
PRODUCT SYNONYMS

DDB1; Polyclonal Antibody; DDB1 Antibody; DNA damage-binding protein 1; XPE; DDBA; XAP1; XPCE; XPE-BF; UV-DDB1; anti-DDB1 antibody

PRODUCT SPECIFICATIONS

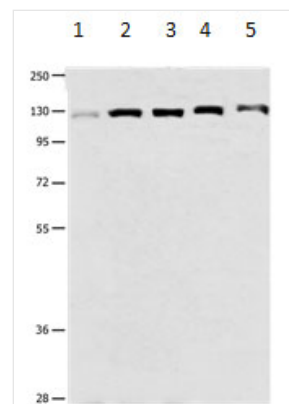
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total DDB1 protein.
Form/Format	Supplied at 0.9mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Sequence Length	1140
Applicable Applications for anti-DDB1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 1125-1140 amino acids of Human DNA damage-binding protein 1
Target Name	DDB1
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using 31182(DDB1 Antibody) at dilution 1/25, on the right is treated with the synthetic peptide.



Application Data

Gel: 8%SDS-PAGE
Lane1: Human fetal small intestine tissue lysate
Lane2: Human liver cancer tissue lysate
Lane3: Human lymphoma tissue lysate
Lane4: 293T cell lysate
Lane5: A549 cell lysate
Lysates: 40 ug per lane
Primary antibody: 1/500 dilution
Secondary antibody: Donkey anti Rabbit IgG - H&L (HRP) at 1/5000 dilution
Exposure time: 50 seconds

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.
Product Categories/Family for anti-DDB1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	148529014
NCBI GeneID	1642
NCBI Accession #	NP_001914
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
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/306365>