

Rabbit DDB1 Polyclonal Antibody | anti-DDB1 antibody

Anti-DDB1 Antibody, Rabbit Polyclonal

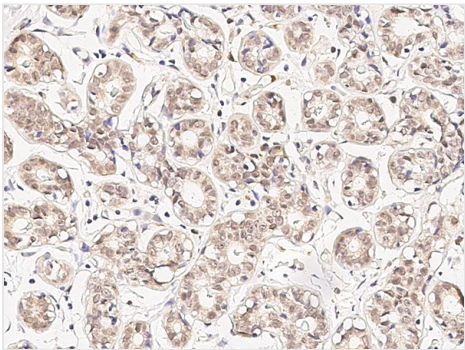
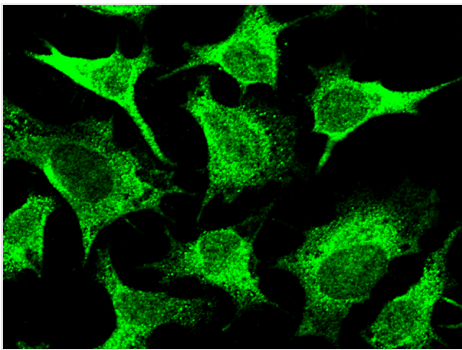
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254385	Rabbit	HumanPredicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

DDB1; Polyclonal Antibody; Anti-DDB1 Antibody; Rabbit Polyclonal; DDB1 Antibody; Rabbit PAb; Antigen Affinity Purified; damage specific DNA binding protein 1; Anti-DDBA Antibody; Anti-UV-DDB1 Antibody; Anti-XAP1 Antibody; Anti-XPCE Antibody; Anti-XPE Antibody; Anti-XPE-BF Antibody; anti-DDB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human DDB1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DDB1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human DDB1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human DDB1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IF (Immunofluorescence)
Immunofluorescence staining of DDB1 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human DDB1 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to cytoplasm and nucleus.

IHC (Immunohistochemistry)
Immunochemical staining of human DDB1 in human breast with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-DDB1 antibody

DNA damage-binding protein 1 (DDB1) is a large subunit of the heterodimeric DDB complex that recognizes DNA lesions and initiates the nucleotide excision repair process. DDB1 is also a component of the CUL4 E3 ligase complex involved in a broad spectrum of cellular processes by targeted ubiquitination of key regulators. A subclass of DDB1 (damaged DNA binding protein-1)-binding WD40-repeat domain (DWD) family proteins has been demonstrated to function as the substrate recognition subunits of the cullin4-ring ubiquitin E3 ligase complex.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12643730
NCBI GeneID	1642
UniProt Accession #	Q16531; O15176; Q13289; Q58F96; A6NG77; B2R648; B4DG00
Molecular Weight	1140
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; 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
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.