Datasheet for ABIN1679509

anti-DDB1 antibody (C-Term)

5 Images

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Overview

Quantity:	100 µg
Target:	DDB1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1000 to the C-terminus of human DDB1 (NP_001914.3).
Sequence:	LGEFVNVFCH GSLVMQNLGE TSTPTQGSVL FGTVNGMIGL VTSLSESWYN LLLDMQNRLN KVIKSVGKIE HSFWRSFHTE RKTEPATGFI DGDLIESFLD ISRPKMQEVV ANLQYDDGSG MKREATADDL IKVVEELTRI H
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	DDB1
Alternative Name:	DDB1 (DDB1 Products)
Background:	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 mascular 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.,DDB1,DDBA,UV-DDB1,XAP1,XPCE,XPE,XPE-BF,Epigenetics & Nuclear Signaling,DNA Damage & Repair,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Ubiquitin,Ubiquitin-Proteasome Signaling Pathway,Endocrine & Metabolism,Carbohydrate metabolism,Neuroscience,Neurodegenerative Diseases,Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,DDB1
Molecular Weight:	50 kDa/126 kDa
Gene ID:	1642
UniProt:	Q16531
Pathways:	DNA Damage Repair

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IP,1:50 - 1:200
Restrictions:	For Research Use only

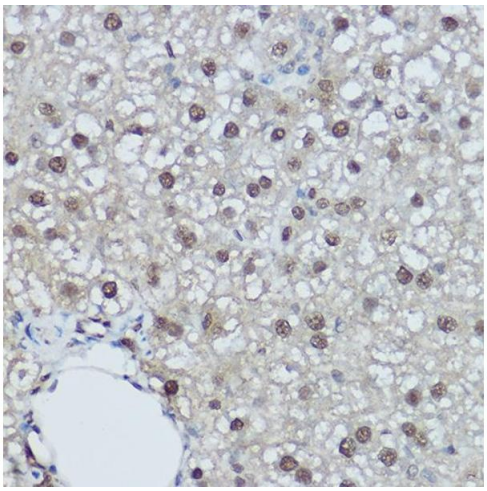
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

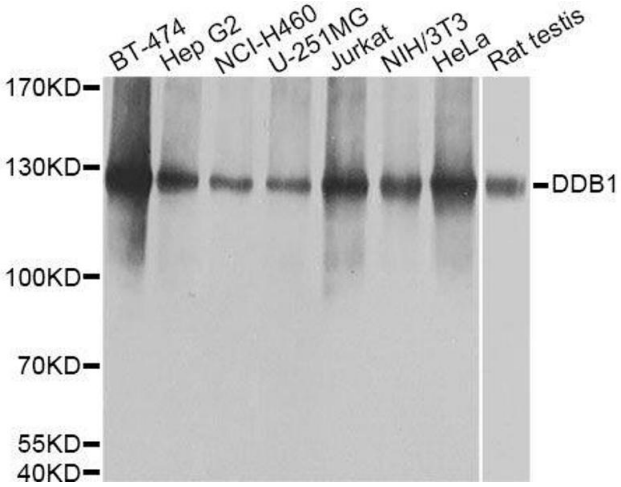
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



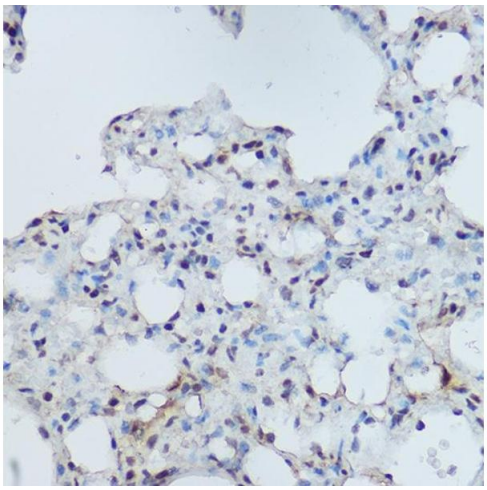
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat liver using DDB1 Rabbit pAb (ABIN1679509, ABIN5664466, ABIN5664468 and ABIN6220382) at dilution of 1:350 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using DDB1 Antibody.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded mouse lung using DDB1 Rabbit pAb (ABIN1679509, ABIN5664466, ABIN5664468 and ABIN6220382) at dilution of 1:350 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 5 images are available for ABIN1679509.