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anti-DDB1 antibody (AA 1011-1140)



Images



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Quantity:	100 μg
Target:	DDB1
Binding Specificity:	AA 1011-1140
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))
Product Details	

Immunogen:	Amino acids 1011-1140 of human DDB1 were used as the immunogen for the DDB1 antibody.
Isotype:	IgG
Purification:	Antigen affinity

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. And this protein complex functions in nucleotide-excision repair and binds to DNA following UV damage.

Target Details

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.

UniProt:

Q16531

Pathways:

DNA Damage Repair

Application Details

Application Notes:

Optimal dilution of the DDB1 antibody should be determined by the researcher.\. Western blot: 0.1-0.5 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,IHC (Frozen): 0.5-1 µg/mL,ICC (Paraffin): 0.5-1 µg/mL

For Research Use only

Restrictions:

Handling

Buffer:

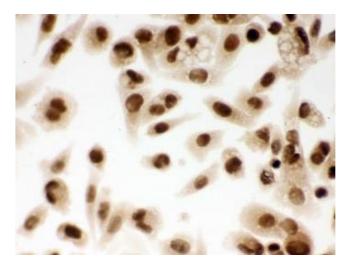
0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage:

-20 °C

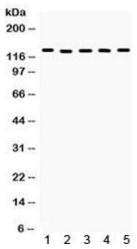
Storage Comment:

After reconstitution, the DDB1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



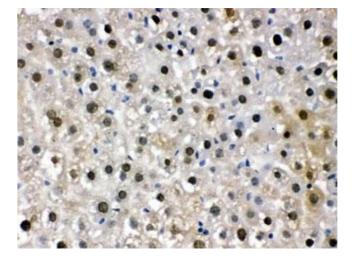
Immunocytochemistry

Image 1. ICC testing of FFPE human PC-3 cells with DDB1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Western Blotting

Image 2. Western blot testing of 1) rat brain, 2) rat liver, 3) mouse ovary, 4) mouse testis and 5) human MCF7 lysate. Predicted/observed molecular weight ~127 kDa.



Immunohistochemistry

Image 3. IHC testing of FFPE mouse liver with DDB1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Please check the product details page for more images. Overall 7 images are available for ABIN4950780.