

DDB1 Antibody

Catalog No: tcna6909



Available Sizes

Size: 100ug



Specifications

Application:

WB, IHC-P, IHC-F, ICC

Species Reactivity:

Human, Mouse, Rat

Host Species:

Rabbit

Immunogen / Amino acids:

Amino acids 1011-1140 of human DDB1 were used as the immunogen for the DDB1 antibody.

Conjugation:

Antigen affinity purified

Clonality:

Polyclonal

Isotype:

Rabbit IgG

Form:

Lyophilized powder

Storage Buffer:

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

Recommended Dilution:

Western blot: 0.1-0.5ug/ml

IHC (Paraffin): 0.5-1ug/ml

IHC (Frozen): 0.5-1ug/ml

ICC (Paraffin): 0.5-1ug/ml Optimal dilution of the DDB1 antibody should be determined by the researcher.

Storage Instruction:

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.

SwissProt:

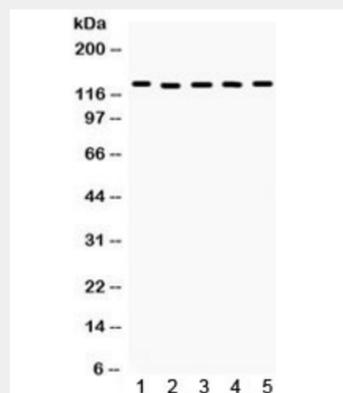
Q16531

References

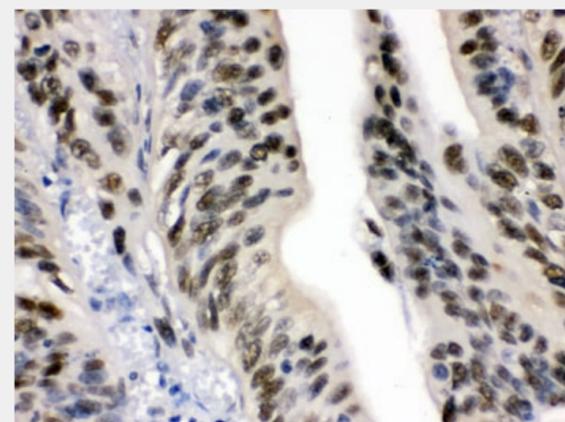
Antigen affinity purified

Product Description

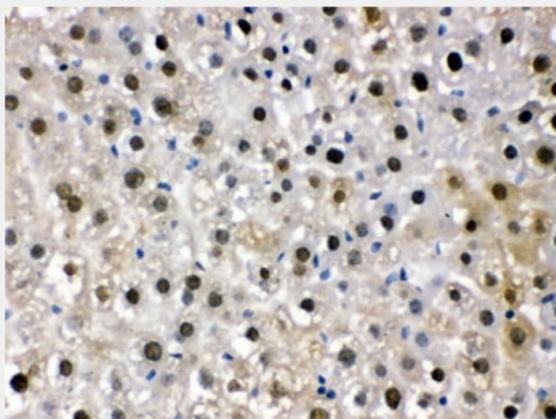
The protein encoded by this gene is the large subunit (p127) of the heterodimeric DNA damage-binding (DDB) complex while another protein (p48) forms the small subunit. And this protein complex functions in nucleotide-excision repair and binds to DNA following UV damage. Defective activity of this complex 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.



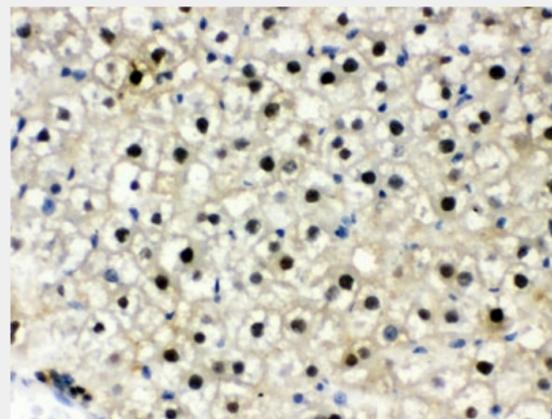
Western blot testing of 1) rat brain, 2) rat liver, 3) mouse ovary, 4) mouse testis and 5) human MCF7 lysate. Predicted/observed molecular weight ~127 kDa.



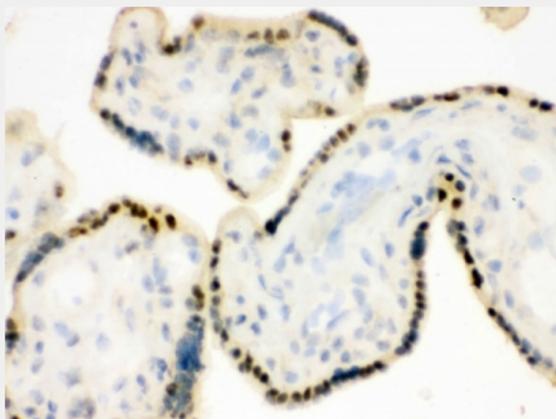
IHC testing of FFPE human intestinal cancer with DDB1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



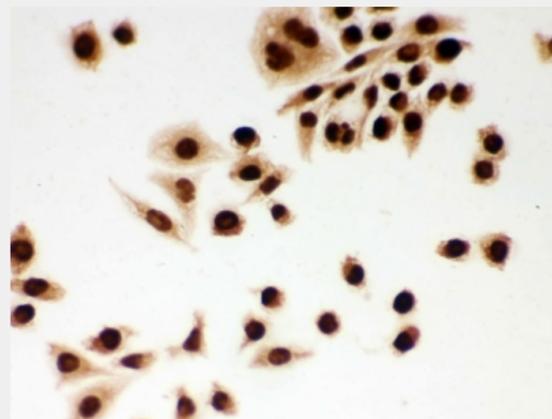
IHC testing of FFPE mouse liver with DDB1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



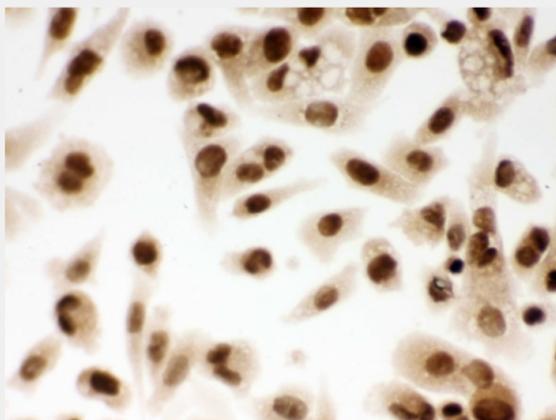
IHC testing of FFPE rat liver with DDB1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



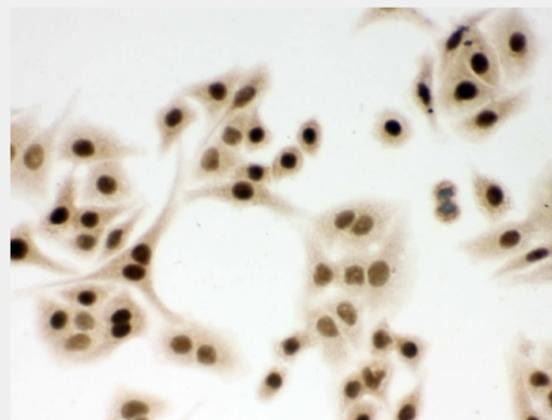
IHC testing of frozen human placental tissue with DDB1 antibody.



ICC testing of FFPE human SMMC-7721 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.



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.



ICC testing of FFPE human A549 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.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!