

DDB1 Rabbit Polyclonal Antibody



CAB2896

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

127kDa

Calculated MW:

50kDa/126kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:1000 IHC 1:50
- 1:100 IF 1:50 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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 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.

Immunogen information

Gene ID:

1642

Uniprot

Q16531

Synonyms:

DDB1; DDBA; UV-DDB1; XAP1; XPCE; XPE; XPE-BF

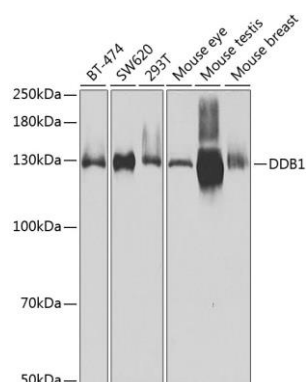
Immunogen:

A synthetic peptide of human DDB1

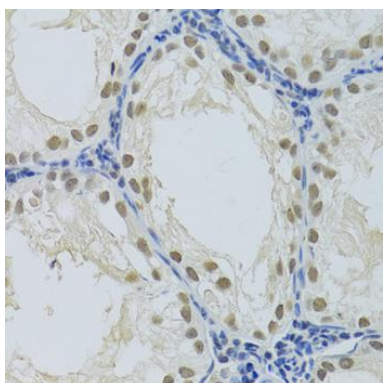
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

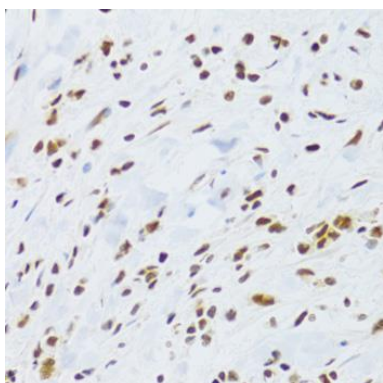
Product Images



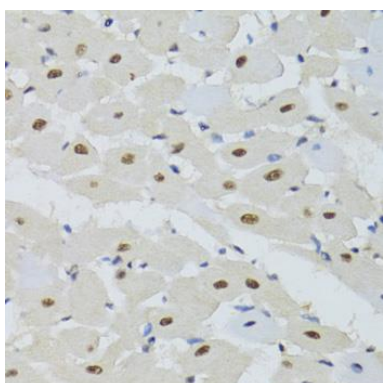
Western blot analysis of extracts of various cell lines, using DDB1 Antibody (CAB2896) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.



Immunohistochemistry of paraffin-embedded rat testis using DDB1 Antibody (CAB2896) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric cancer using DDB1 Antibody (CAB2896) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse heart using DDB1 Antibody (CAB2896) at dilution of 1:100 (40x lens).