# DDB1Polyclonal Antibody

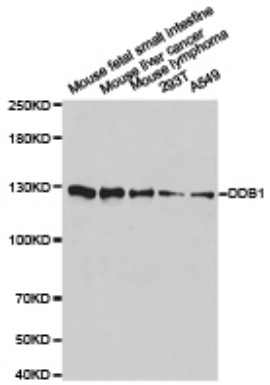
E92896

**Catalog Number:** E92896
**Amount:** 100ul
**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.
**Species:** Rabbit
**Isotype:** IgG
**Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
**Synonyms:** XPE;DDBA;XAP1;XPCE;XPE-BF;UV-DDB1;
**Immunogen:** A synthetic peptide of human DDB1
**Purification:** Affinity purification
**Reactivity:** H M R
**Applications:** WB IHC
**Molecular Weight:** 127kDa
**Swiss-Prot No. :** Q16531
**Gene ID:** 1642

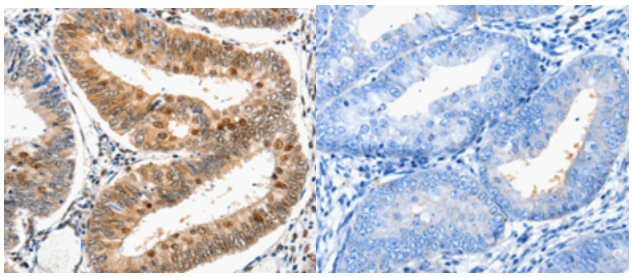
**For Research Use Only**

WB 1:500 - 1:1000

IHC 1:50-1:100




Western blot analysis of extracts of various celllines, using DDB1antibody.



Immunohistochemistry of paraffin-embeddedhuman cervical cancer tissue using DDB1antibody.