

DDB1 polyclonal antibody

Catalog: BS90398

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Damaged DNA binding protein (DDB) is a heterodimer composed of two subunits, p127 and p48, which are designated DDB1 and DDB2, respectively. The DDB heterodimer is involved in repairing DNA damaged by ultraviolet light. Specifically, DDB, also designated UV-damaged DNA binding protein (UV-DDB), xeroderma pigmentosum group E binding factor (XPE-BF) and hepatitis B virus X-associated protein 1 (XAP-1), binds to damaged cyclobutane pyrimidine dimers (CPDs). Mutations in the DDB2 gene are implicated as causes of xeroderma pigmentosum group E, an autosomal recessive disease in which patients are defective in nucleotide excision DNA repair. XPE is characterized by hypersensitivity of the skin to sunlight with a high frequency of skin cancer as well as neurologic abnormalities. The hepatitis B virus (HBV) X protein interacts with DDB1, which may mediate HBx transactivation.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

127 kDa

Swiss-Prot:

Q16531(Human) Q3U1J4(Mouse) Q9ESW0(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

ICC:1:50-1:200

IHC:1:50-1:200

IP:1:10-1:50

Storage&Stability:

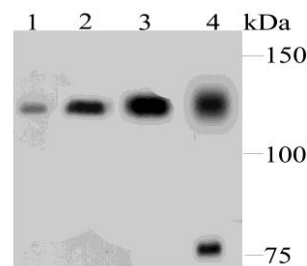
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

Specificity:

DDB1 polyclonal antibody detects endogenous levels of DDB1 protein.

DATA:



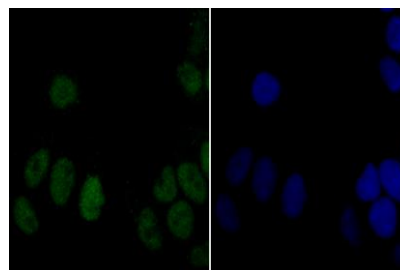
Western blot analysis of DDB1 on different lysates using anti-DDB1 antibody at 1/500 dilution. Positive control:

Lane 1: HepG2

Lane 2: NIH-3T3

Lane 3: MCF-7

Lane 4: Rat kidney tissue



ICC staining DDB1 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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