Product Datasheet

DDB1 Rabbit mAb

Catalog No: #49708

Package Size: #49708-1 50ul #49708-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

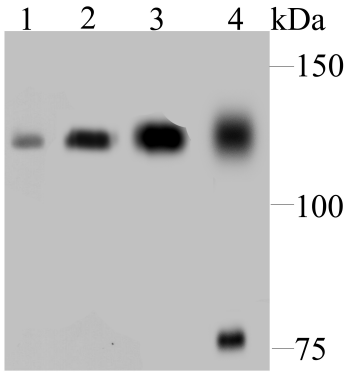
Description

Product Name	DDB1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU32-35
Purification	ProA affinity purified
Applications	WB,ICC/IF,IHC,IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	Damage specific DNA binding protein 1 antibody Damage-specific DNA-binding protein 1 antibody DDB 1 antibody DDB p127 subunit antibody Ddb1 antibody DDB1_HUMAN antibody DDBa antibody DNA damage binding protein 1 antibody DNA damage-binding protein 1 antibody DNA damage-binding protein a antibody HBV X-associated protein 1 antibody UV damaged DNA binding factor antibody UV damaged DNA binding protein 1 antibody UV DDB 1 antibody UV DDB1 antibody UV-damaged DNA-binding factor antibody UV-damaged DNA-binding protein 1 antibody UV-DDB 1 antibody X associated protein 1 antibody XAP 1 antibody XAP-1 antibody XAP1 antibody Xeroderma pigmentosum group E complementing protein antibody Xeroderma pigmentosum group E-complementing protein antibody XPCe antibody XPE antibody XPE BF antibody XPE binding factor antibody XPE-BF antibody XPE-binding factor antibody
Accession No.	Swiss-Prot#:Q16531
Uniprot	Q16531
GeneID	1642;
Calculated MW	127 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

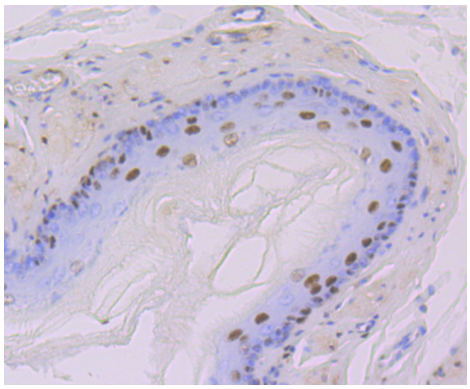
Application Details

WB: 1:500-1:2,000IHC: 1:50-1:200ICC: 1:50-1:200IP: 1:10-1:50

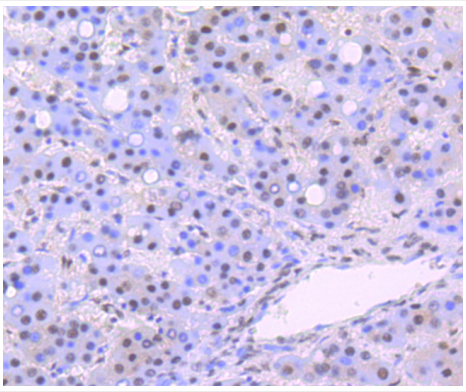
Images



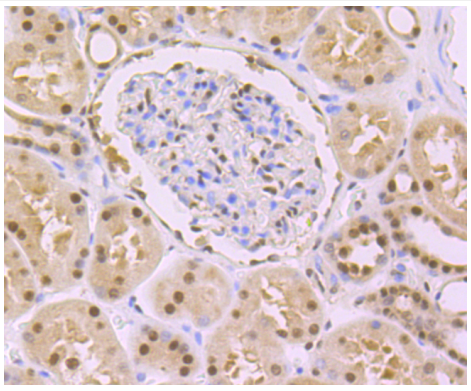
Western blot analysis of DDB1 on different lysates using anti-DDB1 antibody at 1/500 dilution. Positive control: Lane 1: HepG2 Lane 2: NIH-3T3 Lane 3: MCF-7 Lane 4: Rat kidney tissue



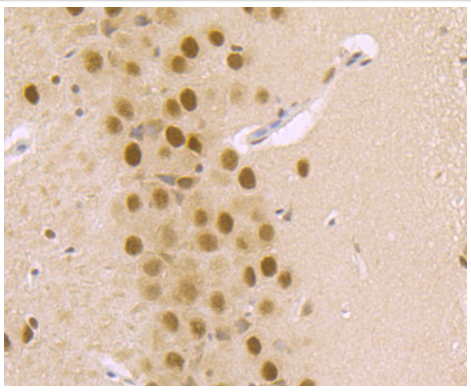
Immunohistochemical analysis of paraffin-embedded rat esophagus tissue using anti-DDB1 antibody. Counter stained with hematoxylin.



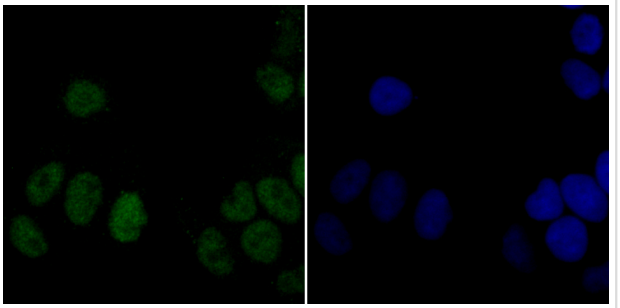
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-DDB1 antibody. Counter stained with hematoxylin.



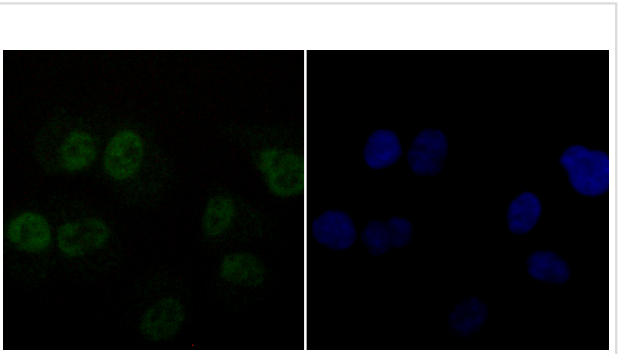
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-DDB1 antibody. Counter stained with hematoxylin.



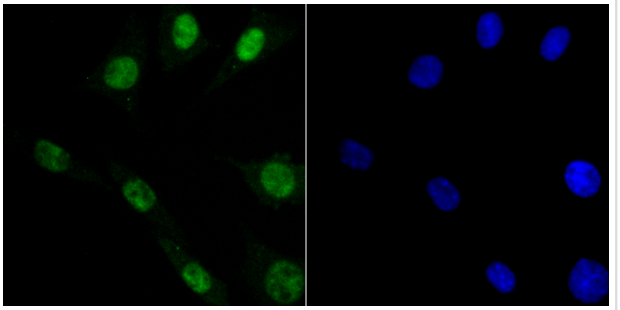
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-DDB1 antibody. Counter stained with hematoxylin.



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.



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



ICC staining DDB1 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

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.

References

Note: This product is for in vitro research use only