

For Research Use Only

CoraLite® Plus 488-conjugated DDB1 Monoclonal antibody



Catalog Number: CL488-66010

Featured Product

Basic Information

Catalog Number:

CL488-66010

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG17903

GenBank Accession Number:

BC011686

GeneID (NCBI):

1642

UNIPROT ID:

Q16531

Full Name:

damage-specific DNA binding protein

1, 127kDa

Calculated MW:

1140 aa, 127 kDa

Observed MW:

127 kDa

Purification Method:

Protein A purification

CloneNo.:

4F6C6

Recommended Dilutions:

WB 1:500-1:2000

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

WB

Species Specificity:

human, mouse, rat

Positive Controls:

WB : Jurkat cells, HEK-293 cells, HeLa cells

Background Information

DDB1, also named as XAP1, XPCe, DDBa and XPE-BF, belongs to the DDB1 family. It is required for DNA repair. DDB1 binds to DDB2 to form the UV-damaged DNA-binding protein complex (the UV-DDB complex). The UV-DDB complex may recognize UV-induced DNA damage and recruit proteins of the nucleotide excision repair pathway (the NER pathway) to initiate DNA repair. The functional specificity of the DCX E3 ubiquitin-protein ligase complex is determined by the variable substrate recognition component recruited by DDB1. This antibody is specific to DDB1.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

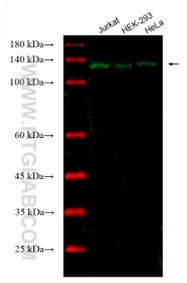
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL488-66010 (DDB1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.