Datasheet for ABIN931027

anti-DDB2 antibody

2 Images

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Overview

Quantity:	100 µg
Target:	DDB2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DDB2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Dot Blot (DB)

Product Details

Immunogen:	DDB2 antibody was raised in mouse using recombinant Human Damage-Specific Dna Binding Protein 2, 48 Kda (Ddb2)
Clone:	2246C4a
Isotype:	IgG1
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

Target Details

Target:	DDB2
Alternative Name:	DDB2 (DDB2 Products)

Target Details

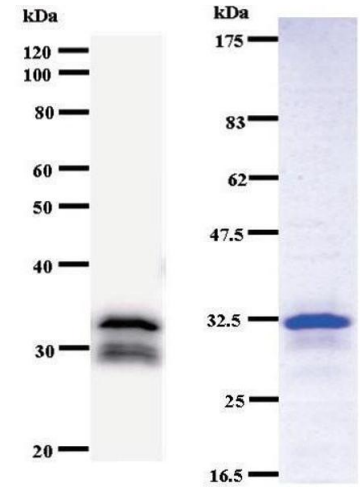
Background:	The DDB2 gene plays a role in DNA repair by forming with DDB1 the UV-damaged DNA-binding protein complex (UV-DDB). Binds to pyrimidine dimers. Component of the RBX1-CUL4-DDB2 ubiquitin ligase. Required for histone H3 and histone H4 ubiquitination in response to ultraviolet and may be important for subsequent DNA repair. Synonyms: Monoclonal DDB2 antibody, Anti-DDB2 antibody, Damage specific DNA binding protein 2 antibody, FLJ34321 antibody.
Pathways:	DNA Damage Repair

Application Details

Application Notes:	WB: 0.2-2 µg/mL, ICC: 2-100 µg/mL Optimal conditions should be determined by the investigator.
Restrictions:	For Research Use only

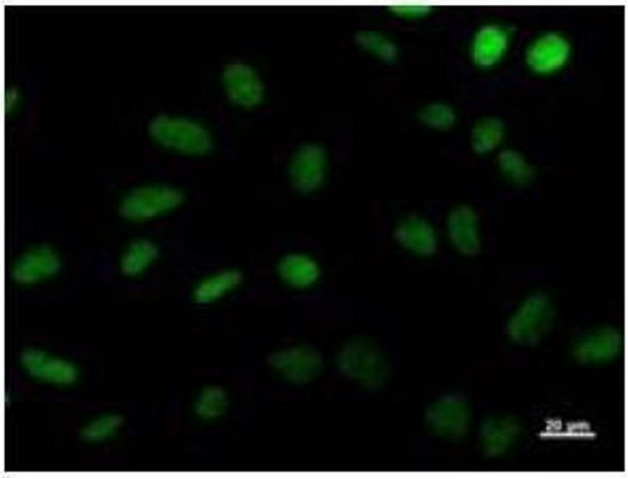
Handling

Concentration:	Lot specific
Buffer:	DDB2 antibody in PBS (3.0 mM KCl, 1.5 mM KH2 PO4 , 140 mM NaCl, 8.0 mM Na2 HPO4 (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN3).
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



Western Blotting

Image 1. Left: DDB2 staining. Right: Coomassie Blue staining of immunized recombinant protein.



Immunofluorescence

Image 2. Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-X100 in PBS. The cells were immunostained with anti-ddb2 antibody.