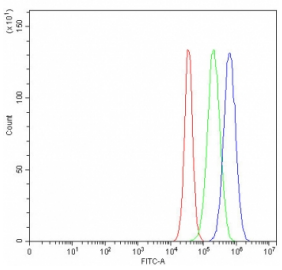
DDB2 Antibody (RQ6046)

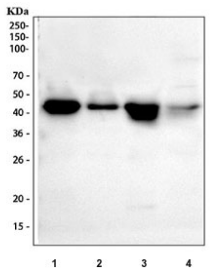
Catalog No.	Formulation	Size
RQ6046	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q92466
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This DDB2 antibody is available for research use only.



Flow cytometry testing of human U-87 MG cells with DDB2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= DDB2 antibody.



Western blot testing of human 1) HeLa, 2) A431, 3) Raji and 4) HL60 cell lysate with DDB2 antibody. Predicted molecular weight ~48 kDa.

Description

DNA damage-binding protein 2 is a protein that in humans is encoded by the DDB2 gene. This gene encodes a protein that is necessary for the repair of ultraviolet light-damaged DNA. This protein is the smaller subunit of a heterodimeric protein complex that participates in nucleotide excision repair, and this complex mediates the ubiquitylation of histones H3 and H4, which facilitates the cellular response to DNA damage. And this subunit appears to be required for DNA binding. Mutations in this gene cause xeroderma pigmentosum complementation group E, a recessive disease that is characterized by an increased sensitivity to UV light and a high predisposition for skin cancer development, in some cases accompanied by neurological abnormalities. Two transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the DDB2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q10-R424) was used as the immunogen for the DDB2 antibody.

Storage

After reconstitution, the DDB2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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