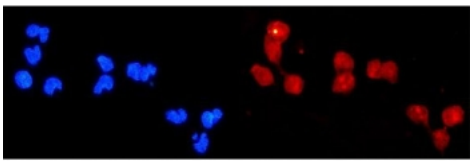
# DDB2 Antibody (R32291)

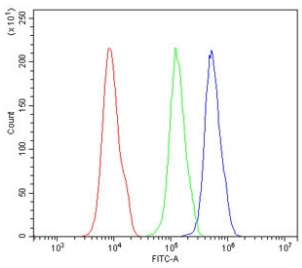
| Catalog No. | Formulation | Size |
|---|---|---|
| R32291 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

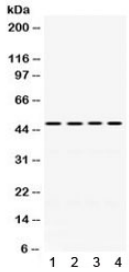
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| **UniProt** | Q92466 |
| **Applications** | Western blot: 0.1-0.5ug/ml<br>Immunofluorescence (FFPE): 2-4ug/ml<br>Flow cytometry: 1-3ug/million cells |
| **Limitations** | This DDB2 antibody is available for research use only. |



Immunofluorescent staining of FFPE human U-2 OS cells with DDB2 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.




Flow cytometry testing of human 293T 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) A431, 2) SW620, 3) HeLa and 4) Jurkat cell lysate with DDB2 antibody. Expected/observed 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

Amino acids 1-115 of human DDB2 were 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.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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