

DDB2 FISH Probe

Catalog # FA0279 Size 200 uL

Specification

Product Description	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).
Origin	Human
Source	Genomic DNA
Reactivity	Human
Notice	We strongly recommend the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status	For research use only (RUO)
Supplied Product	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction	Store at 4°C in the dark.

Applications

- Fluorescent In Situ Hybridization (Cell)

[Protocol Download](#)

Gene Info — DDB2

Entrez GeneID	1643
Gene Name	DDB2
Gene Alias	DDBB, FLJ34321, UV-DDB2
Gene Description	damage-specific DNA binding protein 2, 48kDa

Omim ID [278740 600811](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. 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. [provided by RefSeq]

Other Designations

DDB p48 subunit|UV-damaged DNA-binding protein 2|damage-specific DNA binding protein 2|damage-specific DNA binding protein 2 (48kD)|xeroderma pigmentosum group E protein

Pathway

- [Nucleotide excision repair](#)
- [p53 signaling pathway](#)
- [Ubiquitin mediated proteolysis](#)

Disease

- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Lung Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Supranuclear Palsy](#)
- [Urinary Bladder Neoplasms](#)