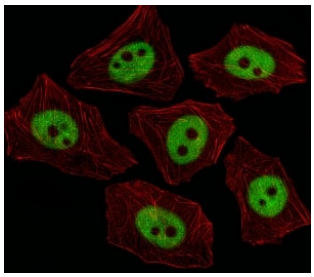
XRCC1 Antibody (F49231)

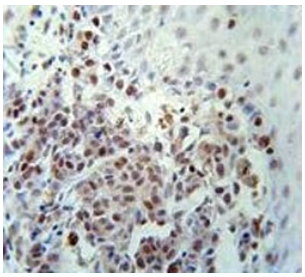
Catalog No.	Formulation	Size
F49231-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49231-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

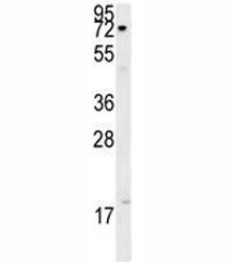
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P18887
Localization	Nuclear
Applications	Immunofluorescence : 1:25 Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50
Limitations	This XRCC1 antibody is available for research use only.



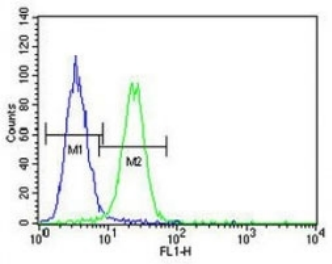
Immunofluorescent analysis of A549 cells using XRCC1 antibody at 1:25. Alexa Fluor 488-conjugated secondary was used (green). Cytoplasmic actin was counterstained with Dylight Fluor 554 conjugated Phalloidin (red).



XRCC1 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma.



XRCC1 antibody western blot analysis in A375 lysate. Rountinely observed molecular weight: 69~90 kDa.



XRCC1 antibody flow cytometric analysis of A375 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

The protein encoded by this gene is involved in the efficient repair of DNA single-strand breaks formed by exposure to ionizing radiation and alkylating agents. This protein interacts with DNA ligase III, polymerase beta and poly (ADP-ribose) polymerase to participate in the base excision repair pathway. It may play a role in DNA processing during meiogenesis and recombination in germ cells. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity.

Application Notes

Titration of the XRCC1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 407-435 from the human protein was used as the immunogen for this XRCC1 antibody.

Storage

Aliquot the XRCC1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.