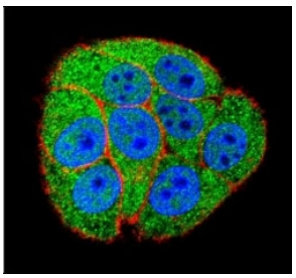
XRCC5 Antibody / Ku80 (F41815)

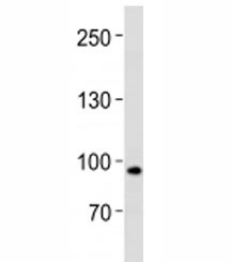
Catalog No.	Formulation	Size
F41815-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41815-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

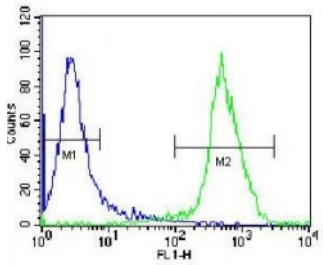
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P13010
Applications	Western Blot : 1:1000 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This XRCC5 antibody is available for research use only.



Confocal immunofluorescent analysis of XRCC5 antibody with HeLa cells followed by Alexa Fluor 488-conjugated secondary (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red). DAPI was used to stain the nuclei (blue).



XRCC5 antibody western blot analysis in human placenta tissue lysate. Predicted molecular weight ~80kDa.



XRCC5 antibody flow cytometric analysis of Jurkat cells (green) compared to a negative control (blue). FITC-conjugated donkey-anti-rabbit secondary Ab was used for the analysis.

Description

The protein encoded by this gene is the 80-kilodalton subunit of the Ku heterodimer protein which is also known as ATP-dependant DNA helicase II or DNA repair protein XRCC5. Ku is the DNA-binding component of the DNA-dependent protein kinase, and it functions together with the DNA ligase IV-XRCC4 complex in the repair of DNA double-strand break by non-homologous end joining and the completion of V(D)J recombination events. This gene functionally complements Chinese hamster xrs-6, a mutant defective in DNA double-strand break repair and in ability to undergo V(D)J recombination. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity.

Application Notes

Titration of the XRCC5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 424-450 from the human protein was used as the immunogen for this XRCC5 antibody.

Storage

Aliquot the XRCC5 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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