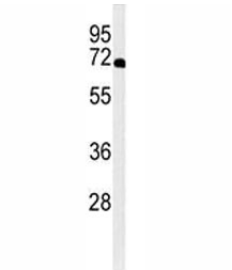
XRCC6 Antibody (F49015)

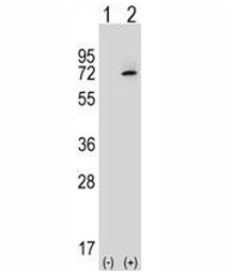
Catalog No.	Formulation	Size
F49015-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49015-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

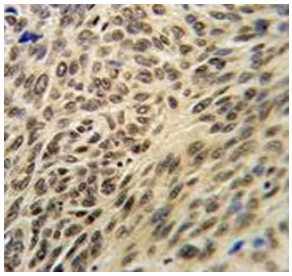
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P12956
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100 Flow Cytometry: 1:10-1:50 Immunofluorescence: 1:10-1:50
Limitations	This XRCC6 antibody is available for research use only.



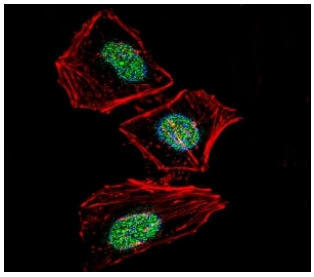
XRCC6 Antibody WB. Western blot analysis of XRCC6 antibody and A2058 lysate.



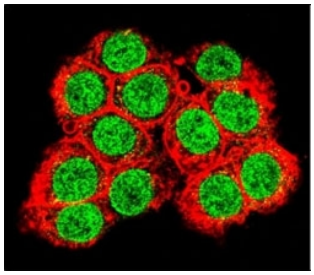
Western blot analysis of XRCC6 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected (2) with the XRCC6 gene.



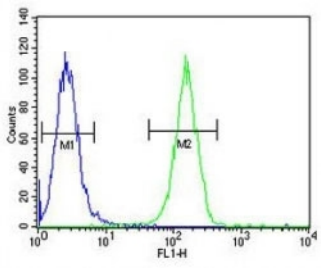
XRCC6 antibody IHC analysis in formalin fixed and paraffin embedded human lung carcinoma.



XRCC6 Antibody HeLa Cell IF. Fluorescent confocal image of HeLa cells stained with XRCC6 antibody. Alexa Fluor 488 secondary (green) was used. XRCC6 immunoreactivity is localized to the nucleus strongly and cytoplasm weakly.



XRCC6 Antibody HEK293 Cell IF. Confocal immunofluorescent analysis of XRCC6 antibody with 293 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red).



XRCC6 Antibody FACS. XRCC6 antibody flow cytometric analysis of A2058 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

XRCC6 Antibody detects XRCC6, a nuclear complex consisting of two subunits with molecular masses of approximately 70 and 80 kDa. The complex functions as a single-stranded DNA-dependent ATP-dependent helicase. The complex may be involved in the repair of nonhomologous DNA ends such as that required for double-strand break repair, transposition, and V(D)J recombination. High levels of autoantibodies to p70 and p80 have been found in some patients with systemic lupus erythematosus.

For investigations involving XRCC6-associated DNA end recognition and double-strand break repair signaling, see our Ku70 Antibody / DNA End Binding Protein Antibody featuring IHC, IF, FACS, and western blot validation data across

multiple human tumor types and cell lines.

Application Notes

Titration of the XRCC6 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 521-548 from the human protein was used as the immunogen for this XRCC6 antibody.

Storage

Aliquot the XRCC6 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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