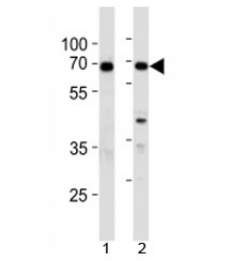
XRCC6 Antibody (F49016)

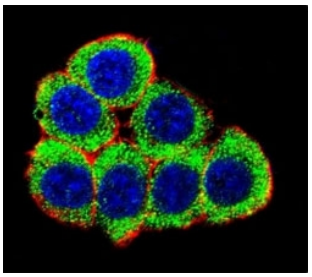
Catalog No.	Formulation	Size
F49016-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49016-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

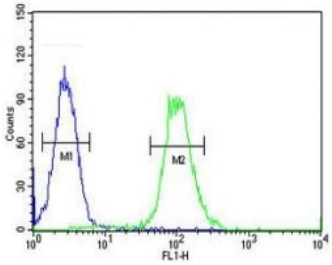
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P12956
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100 Flow Cytometry: 1:10-1:50 Immunofluorescence: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



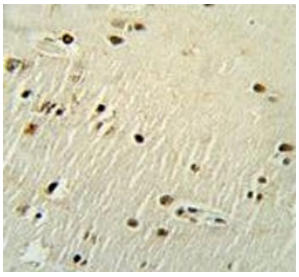
XRCC6 antibody western blot analysis in 1) 293 and 2) A549 lysate



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). DAPI was used to stain the nuclei (blue).



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



XRCC6 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue.

Description

The p70/p80 autoantigen is 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 228-254 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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