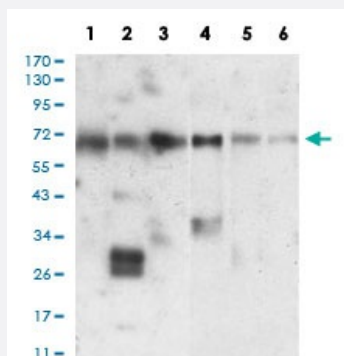


XRCC6 monoclonal antibody, clone 2F7F5

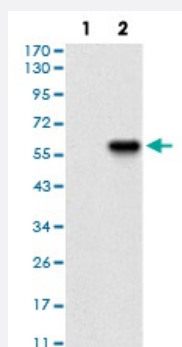
Catalog # MAB16607 Size 100 ug

Applications



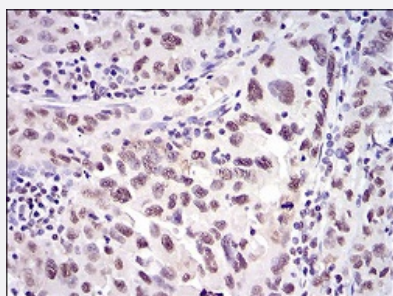
Western Blot (Cell lysate)

Western blot analysis of Lane 1: Hela cell; Lane 2: PC-2 cell; Lane 3: A549 cell; Lane 4: A431 cell; Lane 5: HepG2 cell; Lane 6: K562 cell with XRCC6 monoclonal antibody.



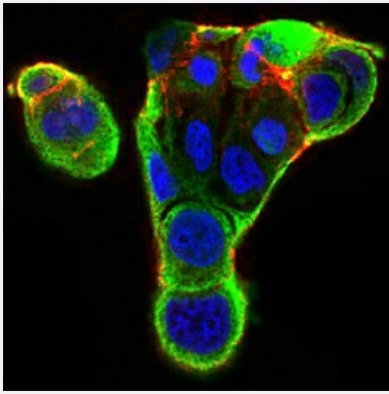
Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: XRCC6-hlgGfc transfected HEK293 cell with XRCC6 monoclonal antibody.



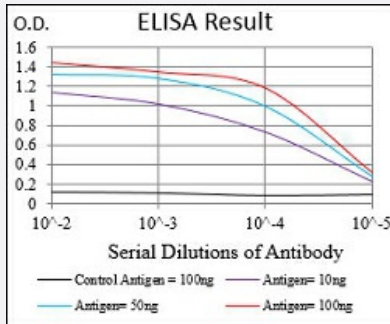
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded endometrial cancer tissues with XRCC6 monoclonal antibody.



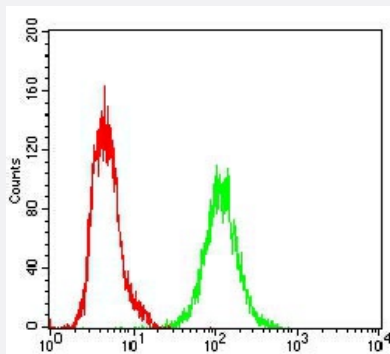
Immunocytochemistry

Immunocytochemical staining of MCF-7 cells with XRCC6 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of XRCC6 monoclonal antibody, clone 2F7F5.



Flow Cytometry

Flow cytometric analysis of A431 cells with XRCC6 monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human XRCC6.
Immunogen	Recombinant protein corresponding to amino acid 6-214 of human XRCC6 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	69.8
Reactivity	Human
Form	Liquid
Isotype	IgG1

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunocytochemistry (1:200-1:1000) Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: Hela cell; Lane 2: PC-2 cell; Lane 3: A549 cell; Lane 4: A431 cell; Lane 5: HepG2 cell; Lane 6: K562 cell with XRCC6 monoclonal antibody.

- Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: XRCC6-hlgGfC transfected HEK293 cell with XRCC6 monoclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded endometrial cancer tissues with XRCC6 monoclonal antibody.

- Immunocytochemistry

Immunocytochemical staining of MCF-7 cells with XRCC6 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of XRCC6 monoclonal antibody, clone 2F7F5.

- Flow Cytometry

Flow cytometric analysis of A431 cells with XRCC6 monoclonal antibody (green) and negative control (red).

Gene Info — XRCC6

Entrez GeneID

[2547](#)

Gene Name	XRCC6
Gene Alias	CTC75, CTCBF, G22P1, KU70, ML8, TLAA
Gene Description	X-ray repair complementing defective repair in Chinese hamster cells 6
Omim ID	152690
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	ATP-dependent DNA helicase II, 70 kDa subunit CTC box binding factor 75 kDa subunit Ku autoantigen p70 subunit Ku autoantigen, 70kDa OTTHUMP00000028581 thyroid autoantigen 70kD (Ku antigen) thyroid autoantigen 70kDa (Ku antigen) thyroid-lupus autoantigen

Pathway

- [Non-homologous end-joining](#)

Disease

- [Adenocarcinoma](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Central Nervous System Neoplasms](#)
- [Diabetes Mellitus](#)
- [DNA Damage](#)
- [Edema](#)

- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Male Urogenital Diseases](#)
- [Micronuclei](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pterygium](#)
- [Radiodermatitis](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)