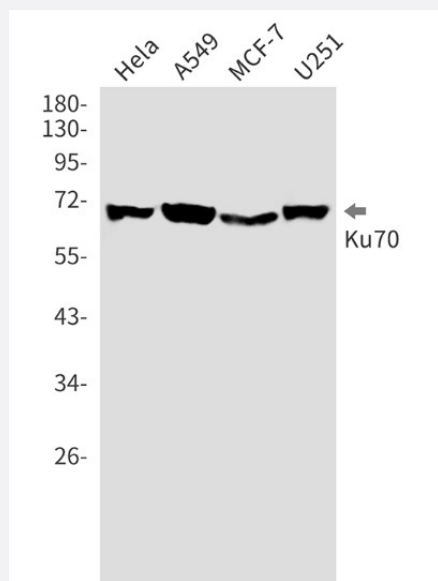


RecomAb™

XRCC6 recombinant monoclonal antibody, clone R05-1A7

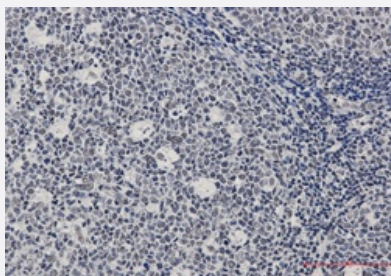
Catalog # RAB01420 Size 100 uL

Applications



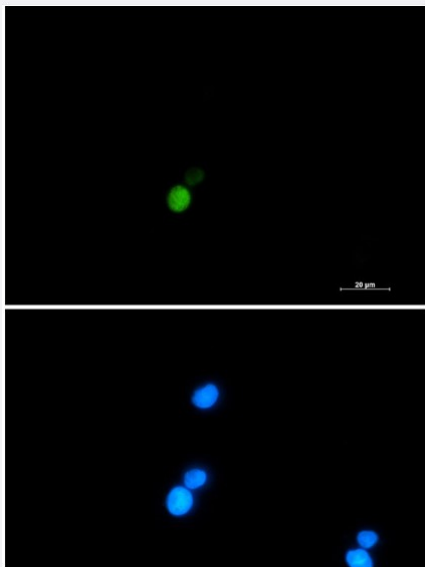
Western Blot

Western Blot analysis of HeLa, A549, MCF-7, U251 lysates with XRCC6 recombinant monoclonal antibody, clone R05-1A7 (Cat # RAB01420).



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

Immunohistochemistry analysis of paraffin-embedded Human tonsil using Ku70 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry

Immunocytochemistry staining of CEM cells with XRCC6 recombinant monoclonal antibody, clone R05-1A7 (Cat # RAB01420).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human XRCC6.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human XRCC6.
Theoretical MW (kDa)	Calculated MW: 70 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence Immunohistochemistry (Frozen sections) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For longer storage, aliquot and 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

Western Blot analysis of HeLa, A549, MCF-7, U251 lysates with XRCC6 recombinant monoclonal antibody, clone R05-1A7 (Cat # RAB01420).

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

Immunohistochemistry analysis of paraffin-embedded Human tonsil using Ku70 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

Immunocytochemistry staining of CEM cells with XRCC6 recombinant monoclonal antibody, clone R05-1A7 (Cat # RAB01420).

- Immunofluorescence

Gene Info — XRCC6

Entrez GeneID	2547
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Protein Accession#	P12956
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Gene Name	XRCC6
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Gene Alias	CTC75, CTCBF, G22P1, KU70, ML8, TLAA
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Gene Description	X-ray repair complementing defective repair in Chinese hamster cells 6
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Omim ID	152690
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Gene Ontology	Hyperlink
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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](#)