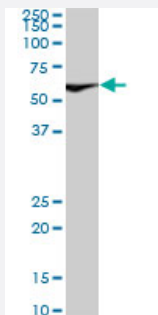


XRCC6 monoclonal antibody (M05), clone 3D12

Catalog # H00002547-M05

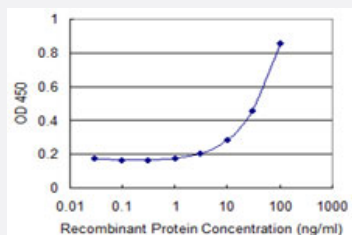
Size 100 ug

Applications



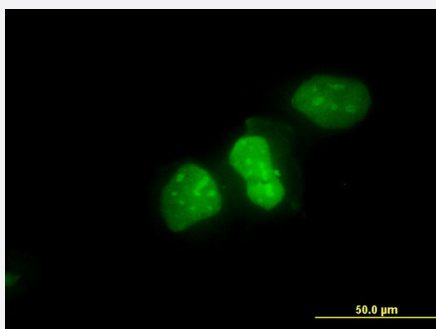
Western Blot (Cell lysate)

XRCC6 monoclonal antibody (M05), clone 3D12. Western Blot analysis of XRCC6 expression in HeLa S3 NE (Cat # L013V3).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged XRCC6 is 1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to XRCC6 on HeLa cell .
[antibody concentration 10 ug/ml]

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant XRCC6.

Immunogen	XRCC6 (AAH18259, 1 a.a. ~ 609 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSGWESYYKTEGDEEAEEEEQEENLEASGDYKYSGRDSLIFLVDASKAMFESQSEDELTPFDMSI QCIQSVYISKIISDRDLLAVVFGTEKDKNSVNFKNIVLQELDNPGAKRILELDQFKGQQGQKRF QDMMGHGSDYSLSEVLWVCANLFSVDVQFKMSHKRIMLFTNEDNPHGNDSAKASRARTKAGDLR DTGIFLDLMHLKKPGGFDISLFYRDTISIAEDEDLRVHFEESKLEDLLRKVRACKETRKRALSRLKL KLNKDVISVGIYNLVQKALKPPPIKLYRETNEPVKTKTRTFNTSTGGLLLPSDTKRSQYGSQRQILEK EETEELKRFDDPGLMLMGFKPLVLLKKHHYLRPSLFVYPEESLVIGSSTLFSALLIKCLEKEVAALC RYTPRRNIPPYFVALVPQEEELDDQKIQVTPPGFQLVFLPFADDKRKMPFTEKIMATPEQVGKMK AVEKLRFTYRSDSFENPVLQQHFRNLEALALDLMEPEQAVDLTLPKVEAMNKRLGSLVDEFKEL VYPPDYNPEGKVTKRKHDNEGSGSKRPKVEYSEELKTHISKGTGKFTVPMLKEACRAYGLKS GLKKQELLEALTKHFQD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (83); Rat (83)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

XRCC6 monoclonal antibody (M05), clone 3D12. Western Blot analysis of XRCC6 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged XRCC6 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to XRCC6 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — XRCC6

Entrez GeneID [2547](#)

GeneBank Accession# [BC018259](#)

Protein Accession# [AAH18259](#)

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](#)