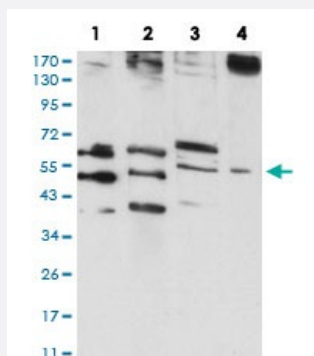


RAD52 monoclonal antibody, clone 5E11E7

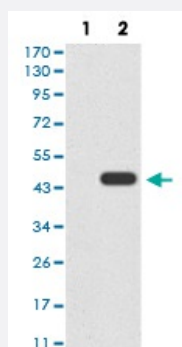
Catalog # MAB17149 Size 100 ug

Applications



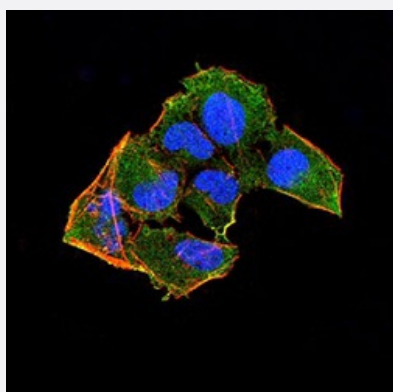
Western Blot (Cell lysate)

Western blot analysis of Lane 1: HepG2 cell; Lane 2: MCF-7 cell; Lane 3: MCF-7 cell; Lane 4: C6 cell with RAD52 monoclonal antibody.



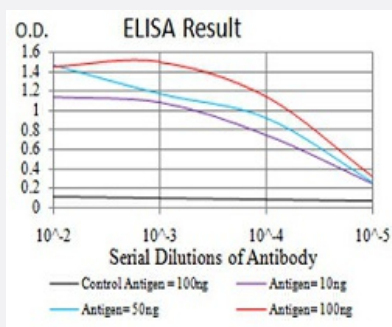
Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) RAD52-hlgGfc transfected HEK293 cell lysate.



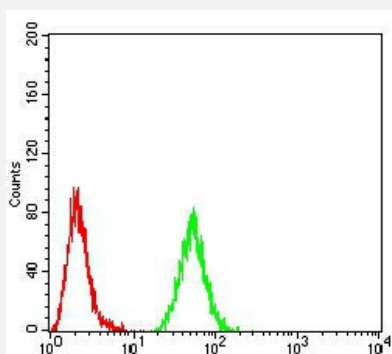
Immunocytochemistry

Immunocytochemical staining of HeLa cells with RAD52 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments have been labeled with Alexa Fluor-555 phalloidin (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of RAD52 monoclonal antibody, clone 5E11E7.



Flow Cytometry

Flow cytometric analysis of MCF-7 cells with RAD52 monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human RAD52.
Immunogen	Recombinant protein corresponding to amino acid 269-418 of human RAD52 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	46.2kDa
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry 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: HepG2 cell; Lane 2: MCF-7 cell; Lane 3: MCF-7 cell; Lane 4: C6 cell with RAD52 monoclonal antibody.

- Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) RAD52-hlgGfc transfected HEK293 cell lysate.

- Immunocytochemistry

Immunocytochemical staining of HeLa cells with RAD52 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments have been labeled with Alexa Fluor- 555 phalloidin (red).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of RAD52 monoclonal antibody, clone 5E11E7.

- Flow Cytometry

Flow cytometric analysis of MCF-7 cells with RAD52 monoclonal antibody (green) and negative control (red).

Gene Info — RAD52

Entrez GeneID [5893](#)

Gene Name RAD52

Gene Alias -

Gene Description RAD52 homolog (S. cerevisiae)

Omim ID [600392](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene shares similarity with *Saccharomyces cerevisiae* Rad52, a protein important for DNA double-strand break repair and homologous recombination. This gene product was shown to bind single-stranded DNA ends, and mediate the DNA-DNA interaction necessary for the annealing of complementary DNA strands. It was also found to interact with DNA recombination protein RAD51, which suggested its role in RAD51 related DNA recombination and repair. [provided by RefSeq]

Other Designations

DNA repair protein RAD52|RAD52 homolog|recombination protein RAD52|rhabdomyosarcoma antigen MU-RMS-40.23

Pathway

- [Homologous recombination](#)

Disease

- [Adenocarcinoma](#)
- [Ataxia telangiectasia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Colorectal Neoplasms](#)
- [DNA Damage](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Neuroma](#)

- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)