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RAD51C Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant RAD51C.
Catalog # AT3549a

Product Information

Application	WB, IF, E
Primary Accession	O43502
Other Accession	BC000667
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	3F3-5C6
Calculated MW	42190

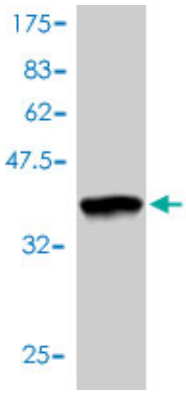
Additional Information

Gene ID	5889
Other Names	DNA repair protein RAD51 homolog 3, R51H3, RAD51 homolog C, RAD51-like protein 2, RAD51C, RAD51L2
Target/Specificity	RAD51C (AAH00667.1, 1 a.a. ~ 134 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	RAD51C Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

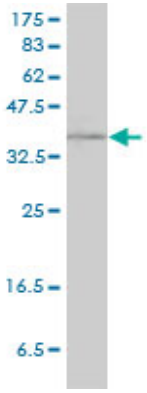
Background

This gene is a member of the RAD51 family of related genes, which encode strand-transfer proteins thought to be involved in recombinational repair of damaged DNA and in meiotic recombination. This gene product interacts with two other DNA repair proteins, encoded by RAD51B and XRCC3, but not with itself. The protein copurifies with XRCC3 protein in a complex, reflecting their endogenous association and suggesting a cooperative role during recombinational repair. This gene is one of four localized to a region of chromosome 17q23 where amplification occurs frequently in breast tumors. Overexpression of the four genes during amplification has been observed and suggests a possible role in tumor progression. Alternative splicing has been observed for this gene and two variants encoding different isoforms have been identified. [provided by RefSeq]

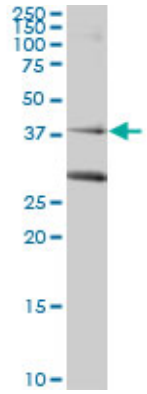
Images



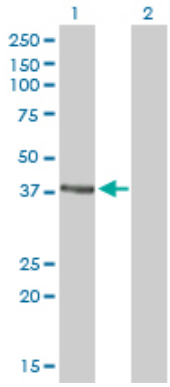
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (40.48 KDa) .



RAD51C monoclonal antibody (M01), clone 3F3-5C6 Western Blot analysis of RAD51C expression in HeLa ((Cat # AT3549a)



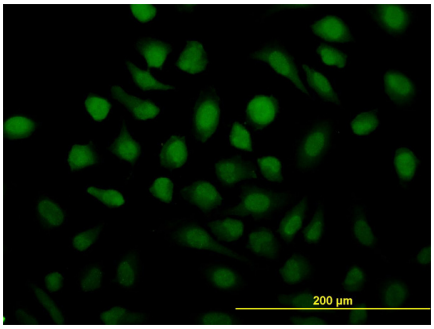
RAD51C monoclonal antibody (M01), clone 3F3-5C6. Western Blot analysis of RAD51C expression in 293 ((Cat # AT3549a)

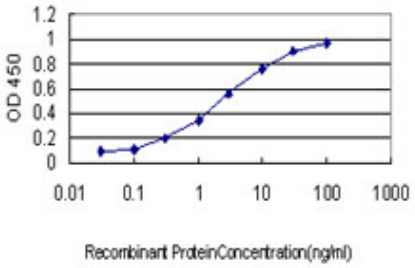


Western Blot analysis of RAD51C expression in transfected 293T cell line by RAD51C monoclonal antibody (M01), clone 3F3-5C6.

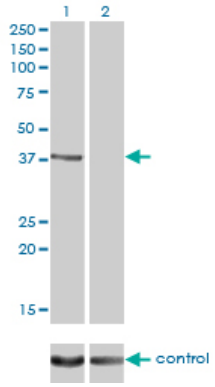
Lane 1: RAD51C transfected lysate(42.2 KDa).
Lane 2: Non-transfected lysate.

Immunofluorescence of monoclonal antibody to RAD51C on HeLa cell. [antibody concentration 10 ug/ml]





Detection limit for recombinant GST tagged RAD51C is approximately 0.1ng/ml as a capture antibody.



Western blot analysis of RAD51C over-expressed 293 cell line, cotransfected with RAD51C Validated Chimera RNAi ((Cat # AT3549a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.