

RAD51C Antibody (monoclonal) (M01)

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

Product Information

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| 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 |

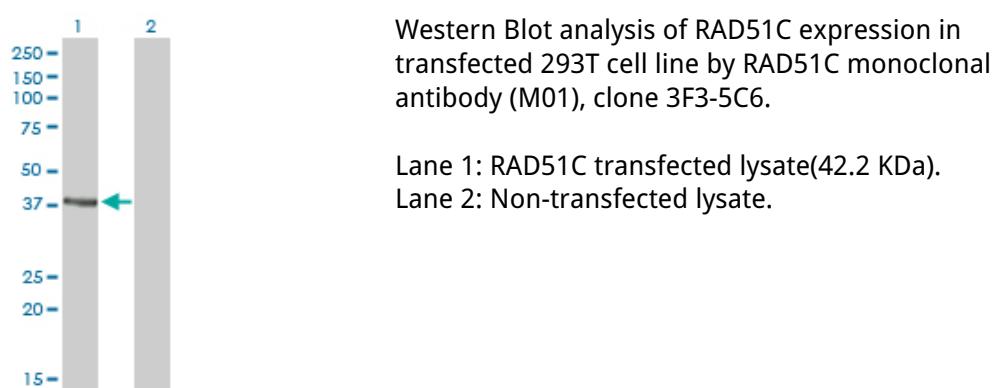
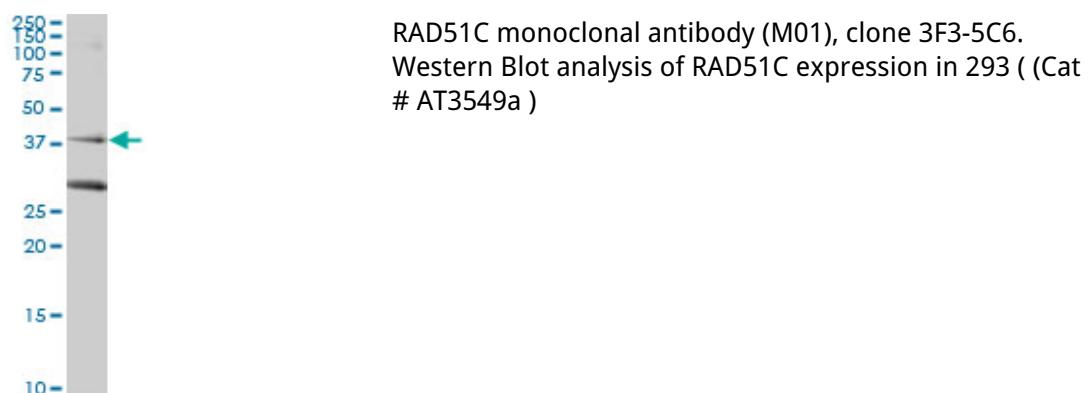
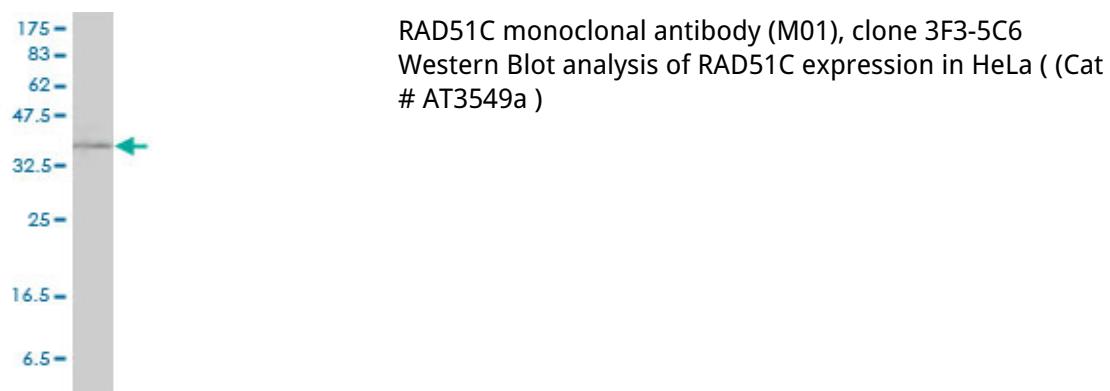
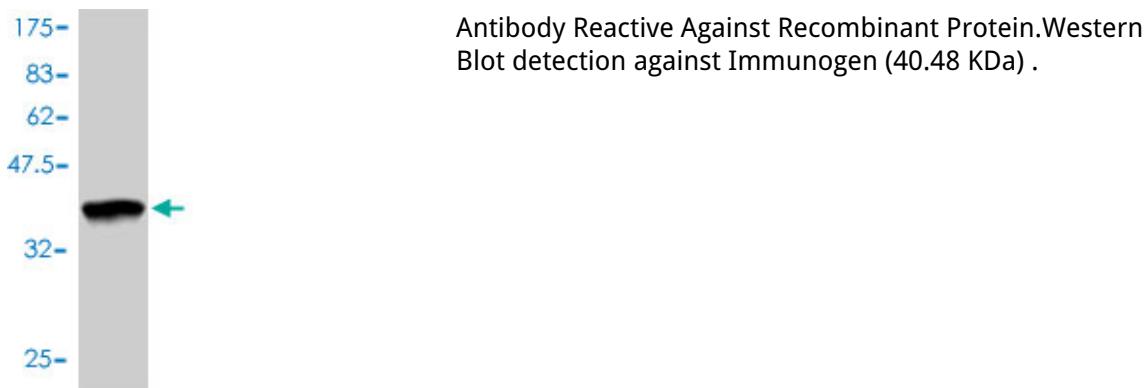
Additional Information

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|---------------------------|--|
| 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. |

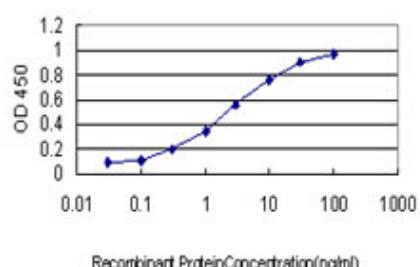
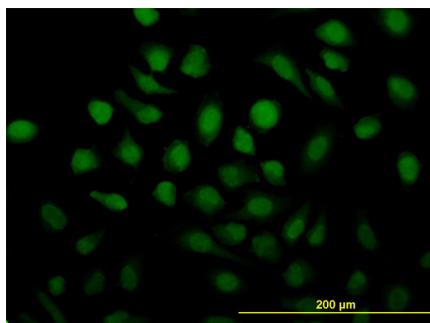
Background

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]

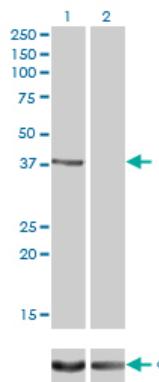
Images



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'.