

## Rabbit anti-Human, Mouse RAD51C Polyclonal Antibody | anti-RAD51C antibody

RAD51C Polyclonal Antibody

|                               |                       |                                   |                                             |
|-------------------------------|-----------------------|-----------------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA177678</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|-----------------------------------|---------------------------------------------|

### PRODUCT SYNONYMS

RAD51C; Polyclonal Antibody; RAD51C Polyclonal Antibody; BROVCA3; FANCO; R51H3; RAD51L2; anti-RAD51C antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                         |
|--------------------------------------------------|---------------------------------------------------------|
| Host                                             | Rabbit                                                  |
| Reactivity                                       | Human, Mouse                                            |
| Clonality                                        | Polyclonal                                              |
| Isotype                                          | IgG                                                     |
| Purity/Purification                              | Affinity purification                                   |
| Form/Format                                      | PBS with 0.02% sodium azide, 50% glycerol, pH7.3        |
| Concentration                                    | 1mg/mL (varies by lot)                                  |
| Applicable Applications for anti-RAD51C antibody | IHC (Immunohistochemistry)                              |
| Immunogen                                        | Recombinant fusion protein of human RAD51C (NP_0028671) |
| Conjugation                                      | Unconjugated                                            |
| Preparation and Storage                          | Store at -20 degree C. Avoid freeze/thaw cycles.        |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse stomach using RAD51C Polyclonal Antibody at dilution of 1:100 (40x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human stomach using RAD51C Polyclonal Antibody at dilution of 1:100 (40x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human prostate using RAD51C Polyclonal Antibody at dilution of 1:100 (40x lens).

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RAD51C antibody | This gene is a member of the RAD51 family. RAD51 family members are highly similar to bacterial RecA and Saccharomyces cerevisiae Rad51 and are known to be involved in the homologous recombination and repair of DNA. This protein can interact with other RAD51 paralogs and is reported to be important for Holliday junction resolution. Mutations in this gene are associated with Fanconi anemia-like syndrome. 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 results in multiple transcript variants. |
| Product Categories/Family for anti-RAD51C antibody   | Epigenetics and Nuclear Signaling; Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4506391                                                                                                            |
| NCBI GeneID                      | 5889                                                                                                               |
| NCBI Accession #                 | NP_002867.1                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_002876.2                                                                                                        |
| UniProt Accession #              | O43502; O43503; Q3B783                                                                                             |
| Molecular Weight                 | 42,190 Da                                                                                                          |
| NCBI Official Full Name          | DNA repair protein RAD51 homolog 3 isoform 2                                                                       |
| NCBI Official Synonym Full Names | RAD51 homolog C (S. cerevisiae)                                                                                    |
| NCBI Official Symbol             | RAD51C                                                                                                             |
| NCBI Official Synonym Symbols    | FANCO; BROVCA3; RAD51L2                                                                                            |
| NCBI Protein Information         | DNA repair protein RAD51 homolog 3; R51H3; RAD51-like protein 2; yeast RAD51 homolog 3; RAD51 homolog C, isoform 1 |
| UniProt Protein Name             | DNA repair protein RAD51 homolog 3                                                                                 |
| UniProt Gene Name                | <b>RAD51C</b>                                                                                                      |
| UniProt Synonym Gene Names       | RAD51L2; R51H3                                                                                                     |
| UniProt Entry Name               | RA51C_HUMAN                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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