

RAD51C

Reactivity: Human Mouse

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:100 IF 1:50 - 1:100

Calculated MW: 42kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human RAD51C

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

FANCO; R51H3; BROVCA3; RAD51L2;

Catalog #: A6961

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5889

Isotype: IgG

Swiss Prot: O43502

Purity: Affinity purification

For research use only.

Background:

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.

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