

Rabbit anti-Human RAD51C Polyclonal Antibody | anti-RAD51C antibody

RAD51C Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279509	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	376
Applicable Applications for anti-RAD51C antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human RAD51C
Calculated Molecular Weight	42kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



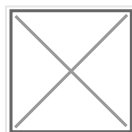
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse stomach using RAD51C antibody at dilution of 1:100 (40x lens).



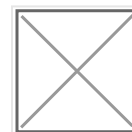
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human stomach using RAD51C antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate using RAD51C antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using RAD51C antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

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	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	3914534
NCBI GeneID	5889
UniProt Accession #	O43502; O43503; Q3B783
Molecular Weight	376
NCBI Official Full Name	DNA repair protein RAD51 homolog 3
NCBI Official Synonym Full Names	RAD51 paralog C
NCBI Official Symbol	RAD51C
NCBI Official Synonym Symbols	FANCO; R51H3; BROVCA3; RAD51L2
NCBI Protein Information	DNA repair protein RAD51 homolog 3; RAD51-like protein 2; yeast RAD51 homolog 3
UniProt Protein Name	DNA repair protein RAD51 homolog 3
UniProt Gene Name	RAD51C
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.