

Product Datasheet

Rad51 Antibody

Catalog No: CY5080

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP FC



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Information

UniProt ID: Q06609

All Names: RAD51 homolog A; DNA repair protein RAD51 homolog 1; RAD51A; RECA

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 37 kDa

Application

WB 1:5000~1:10000

IHC 1:100~1:500

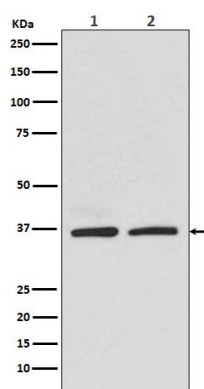
ICC/IF 1:100~1:500

IP 1:50

FC 1:100

Background

Rad51 participates in a common DNA damage response pathway associated with the activation of homologous recombination and double-strand break repair. Binds to single and double-stranded DNA and exhibits DNA-dependent ATPase activity. Underwinds duplex DNA and forms helical nucleoprotein filaments. Part of a PALB2-scaffolded HR complex containing BRCA2 and RAD51C and which is thought to play a role in DNA repair by HR. Plays a role in regulating mitochondrial DNA copy number under conditions of oxidative stress in the presence of RAD51C and XRCC3.



Western blot analysis of Rad51 in (1) HEK293 cell lysate; (2) K562 cell lysate.

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