

Anti-RAD51 Antibody

Catalog Number: M00088-2

About 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.

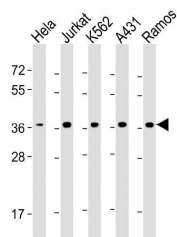
Overview

Product Name	Anti-RAD51 Antibody
Reactive Species	Human
Description	Boster Bio Anti-RAD51 Antibody (Catalog # M00088-2). Tested in WB application(s). This antibody reacts with Human.
Application	WB
Clonality	Monoclonal 169OCT361.33.68
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q06609

Technical Details

Immunogen	This RAD51 antibody is generated from a mouse immunized with a recombinant protein between 1-339 amino acids from human RAD51.
Predicted Reactive Species	Human
Isotype	IgG2b,k
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:4000

Anti-RAD51 Antibody (M00088-2) Images



All lanes : Anti-RAD51 Antibody at 1:4000 dilution
Lane 1: HeLa whole cell lysate
Lane 2: Jurkat whole cell lysate
Lane 3: K562 whole cell lysate
Lane 4: A431 whole cell lysate
Lane 5: Ramos whole cell lysate
Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 37 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-RAD51 Antibody

For Research Use Only. Not for use in diagnostic procedures.