BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

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.

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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 1690CT361.33.68
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

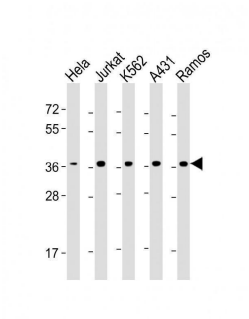
Immunogen	This RAD51 antibody is generated from a mouse immunized with a recombinant protein between 1-339 amino acids from human RAD51.
Predicted Reactive Species	Human
Isotype	IgG2b,k

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Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:4000

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Anti-RAD51 Antibody (M00088-2) Images



All lanes : Anti-RAD51 Antibody at 1:4000 dilutionLane 1: Hela whole cell lysateLane 2: Jurkat whole cell lysateLane 3: K562 whole cell lysateLane 4: A431 whole cell lysateLane 5: Ramos whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 37 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

Anti-RAD51 Antibody

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