

10-6635: Mouse Monoclonal Antibody to RAD51 (Clone: 1690CT417.18.80)(Discontinued)

Clonality :	monoclonal
Clone Name :	1690CT417.18.80
Application :	WB
Reactivity :	Human
Gene :	RAD51
Gene ID :	5888
Uniprot ID :	Q06609
Format :	Purified
Alternative Name :	DNA repair protein RAD51 homolog 1, HsRAD51, hRAD51, RAD51 homolog A, RAD51, RAD51A, RECA
Isotype :	Mouse IgG2b,Kappa
Immunogen Information :	Recombinant Protein

Description

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.

Product Info

Amount :	50 µl / 200 µl
Purification :	Protein G Chromatography
Content :	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage condition :	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots to prevent freeze-thaw cycles.

Application Note

WB~1:2000-1:4000

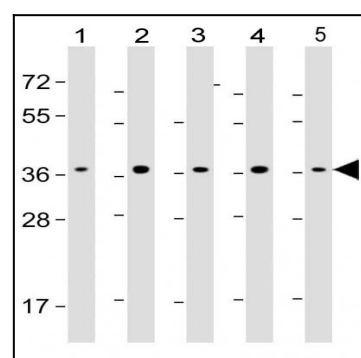


Figure 1: All lanes : Anti-RAD51 Antibody (10-6635) at 1:2000-1:4000 dilution with Lane 1: Hela whole cell lysate, Lane 2: Jurkat whole cell lysate, Lane 3: K562 whole cell lysate, Lane 4: A431 whole cell lysate, Lane 5: Ramos whole cell lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 37 kDa.