

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

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

<b>Amount :</b>	50 µl / 200 µl
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
<b>Storage condition :</b>	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

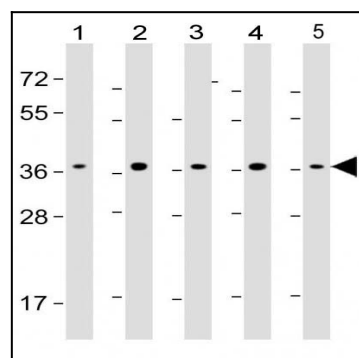


Figure 1: All lanes : Anti-RAD51 Antibody (10-6635) at 1:2000-1:4000 dilution with Lane 1: Hela whole cell lysate, Lane 2: Jurkat whole cell lysate, Lane 3: K562 whole cell lysate, Lane 4: A431 whole cell lysate, Lane 5: Ramos whole cell lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG,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