

Cat. No:	AB-83952
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 50-150 of human RAD51
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500 -1:1000 Immunofluorescence: 1:50 -1:200
Molecular Weight:	37kDa
Purification:	Aff. Pur.
Synonyms:	RAD51; BRCC5; FANCR; HRAD51; HsRad51; HsT16930 ; MRMV2; RAD51A; RECA; RAD51 recombinase
Background:	<p>The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are highly similar to bacterial RecA and <i>Saccharomyces cerevisiae</i> Rad51, and are known to be involved in the homologous recombination and repair of DNA. This protein can interact with the ssDNA-binding protein RPA and RAD52, and it is thought to play roles in homologous pairing and strand transfer of DNA. This protein is also found to interact with BRCA1 and BRCA2, which may be important for the cellular response to DNA damage. BRCA2 is shown to regulate both the intracellular localization and DNA-binding ability of this protein. Loss of these controls following BRCA2 inactivation may be a key event leading to genomic instability and tumorigenesis. Multiple transcript variants encoding different isoforms have been found for this gene.</p>
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.

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