

RAD51 Polyclonal Antibody

Product Details

Size	50 µL
Species Reactivity	Chicken, Human, Mouse, Xenopus
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Purified full-length recombinant Rad51 protein.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	whole serum
Contains	0.09% sodium azide
Storage conditions	-20°C
RRID	AB_1960219

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:5,000	-
Immunocytochemistry (ICC/IF)	1:100-1:6,000	-
Immunoprecipitation (IP)	Assay-dependent	-

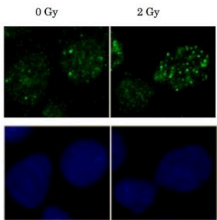
Product Specific Information

PA1-4985 detects Rad51 from human, mouse, and chicken samples.

PA1-4985 has been successfully used in Western blot, immunoprecipitation, immunocytochemistry and indirect immunofluorescence applications. By Western blot, this antibody detects a 37 kDa band representing Rad51 from Hela cells. GFP-tagging of Rad51 protein at either N- or C- terminus inactivates the function of Rad51 and therefore it cannot be used for the study of foci formation instead of the antibody.

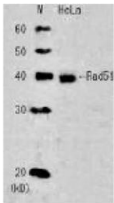
The PA1-4985 immunogen is full-length recombinant Rad51 protein.

Product Images For RAD51 Polyclonal Antibody



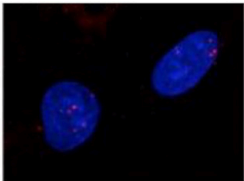
RAD51 Antibody (PA1-4985) in ICC/IF

Induction of RAD51 foci formation by X-ray Irradiation. Human osteosarcoma U2OS cells X-ray irradiation before and 2h after were immunostained using RAD51 Polyclonal Antibody (Product # PA1-4985) diluted 1:6,000. Lower panels: Hoechst staining.



RAD51 Antibody (PA1-4985) in WB

Detection of endogenous RAD51 in whole cell extract of HeLa cells using RAD51 Polyclonal Antibody (Product # PA1-4985, diluted 1:2,000).



RAD51 Antibody (PA1-4985) in ICC/IF

Detection of RAD51 foci: formation induced by DNA damage. Normal human diploid cells were irradiated by X-ray (0.5 Gy) and after 6 hr incubation, the cells were fixed and immunostained by using RAD51 Polyclonal Antibody (Product # PA1-4985) as the primary antibody and Alexa 594 labeled anti-rabbit antibody as the secondary antibody. (Data kindly provided by Prof. K. Suzuki, Medical School of Nagasaki Univ.)

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