

Anti-Rad51 Rabbit pAb



WL02913

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Rad51 Rabbit pAb		
Source	Rabbit		
Species reactivity	Human, Mouse, Rat		
Tested applications	Western blot	1:500-1:1000	
	Immunohistochemistry	1:100-1:400	
<i>*Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.</i>			
Pack size	50/100/200/500/1000μl		
Storage	Store at -20°C. Avoid freeze/thaw cycles.		
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml		
	BSA, 50% glycerol and less than 0.02% sodium azide		

General Information

Background	Rad51 family members are highly similar to bacterial RecA and Saccharomyces cerevisiae 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.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Rad51.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

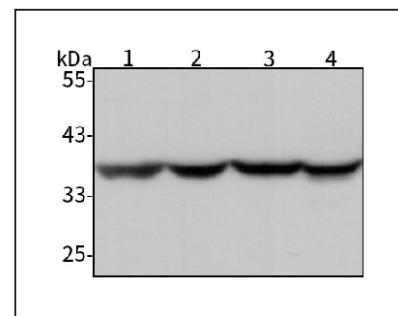
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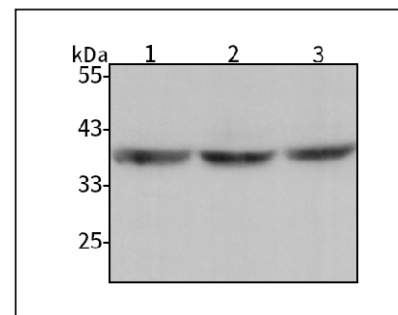
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Product Images



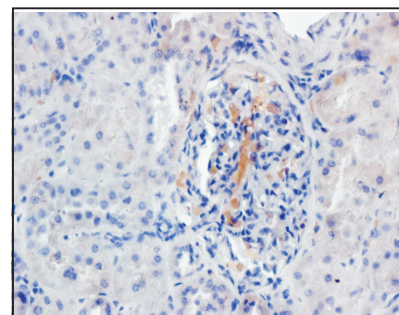
Western blot-Anti-Rad51 pAb

Lane 1: Human Hela cell lysate
 Lane 2: Human BxPC-3 cell lysate
 Lane 3: Human Raji cell lysate
 Lane 4: Human A2780 cell lysate
 All lanes: Anti-Rad51 at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 37 kDa
 Observed band size: 37 kDa



Western blot-Anti-Rad51 pAb

Lane 1: Mouse ovary tissue lysate
 Lane 2: Mouse testis tissue lysate
 Lane 3: Rat ovary tissue lysate
 All lanes: Anti-Rad51 at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 37 kDa
 Observed band size: 37 kDa



Immunohistochemistry-Anti-Rad51 pAb

Sample: Human kidney cancer tissue
 Antigen retrieval: pH 9.0 Tris-EDTA buffer
 Primary antibody: 1:150, 4°C, overnight
 Secondary antibody-Biotin: 1:150, 37°C, 1h
 Streptavidin-HRP: 1:200, 37°C, 30min
 Color Developing: DAB

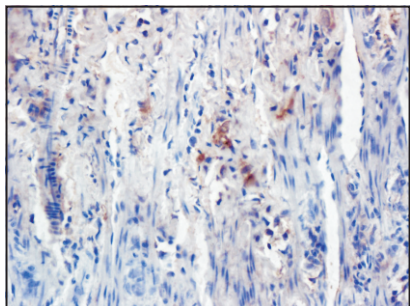
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Immunohistochemistry-Anti-Rad51 pAb

Sample: Rat colon tissue

Antigen retrieval: pH 9.0 Tris-EDTA buffer

Primary antibody: 1:150, 4°C, overnight

Secondary antibody-Biotin: 1:150, 37°C, 1h

Streptavidin-HRP: 1:200, 37°C, 30min

Color Developing: DAB