



Rabbit polyclonal antibody to human DNA repair protein RAD51 homolog 1 (4-20): Affinity purified

Catalogue No.:	R-1119-100
Description:	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. DNA repair protein RAD51 homolog 1 (RAD51A) belongs to the RAD51 family of recombinases. RAD51A has a probable role in the DNA damage response pathway associated with the activation of homologous recombination and double-strand break repair. At least 2 isoforms are produced by alternative splicing.
Batch No.:	See product label
Unit size:	100 µg
Antigen:	A synthetic peptide (QMQLLEANADTSVEEESF) corresponding to a region (4-20) from human DNA repair protein RAD51 homolog 1. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
Other Names:	hRAD51; HsRAD51; RAD51; RAD51A; RECA;
Accession:	Q06609 RAD51_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 1.0 µg/ml is recommended for WB. Human RAD51A (isoform 1) has a predicted length of 339 amino acids and a MW of 37 kDa. A concentration of 1.0-2.0 µg/ml is recommended to detect RAD51A in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; rat; predicted to react with mouse due to sequence homology;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃
Reconstitution:	Reconstitute in 100 µl of sterile distilled water to achieve an antibody concentration of 1 mg/ml. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2 - 4°C (lyophilized formulations). After reconstitution, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase

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