

Rabbit anti-Human RAD51AP1 Polyclonal Antibody | anti-RAD51AP1 antibody

Anti-RAD51AP1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127396	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

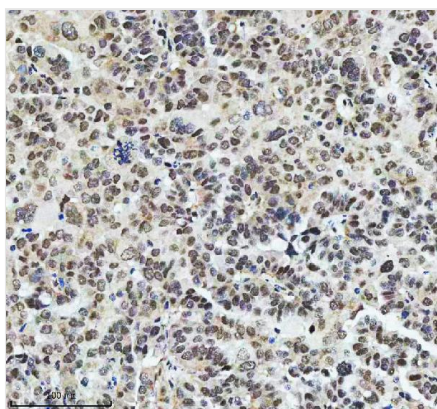
PRODUCT SYNONYMS

RAD51AP1; Polyclonal Antibody; Anti-RAD51AP1 Antibody Picoband; anti-RAD51AP1 antibody

PRODUCT SPECIFICATIONS

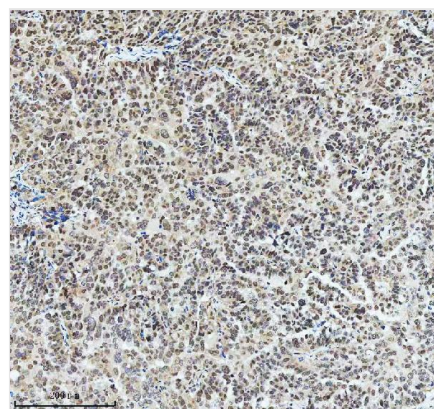
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-RAD51AP1 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived human RAD51AP1 recombinant protein (Position: M1-K303).
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



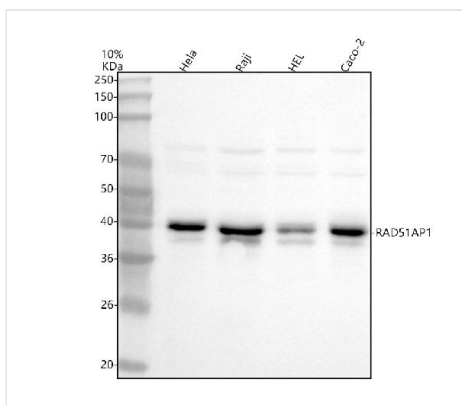
IHC (Immunohistochemistry)

Figure 3. IHC analysis of RAD51AP1 using anti-RAD51AP1 antibody (AAA127396).RAD51AP1 was detected in a paraffin-embedded section of human ovarian cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RAD51AP1 Antibody (AAA127396) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of RAD51AP1 using anti-RAD51AP1 antibody (AAA127396).RAD51AP1 was detected in a paraffin-embedded section of human ovarian cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RAD51AP1 Antibody (AAA127396) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of RAD51AP1 using anti-RAD51AP1 antibody (AAA127396). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human Raji whole cell lysates, Lane 3: human HEL whole cell lysates, Lane 4: human Caco-2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-RAD51AP1 antigen affinity purified polyclonal antibody (#AAA127396) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for RAD51AP1 at approximately 38 kDa. The expected band size for RAD51AP1 is at 38 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RAD51AP1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-RAD51AP1 antibody	Primary Antibodies
References	1. Kovalenko, O. V., Golub, E. I., Bray-Ward, P., Ward, D. C., Radding, C. M. A novel nucleic acid-binding protein that interacts with human Rad51 recombinase. <i>Nucleic Acids Res.</i> 25: 4946-4953, 1997. 2. Mizuta, R., LaSalle, J. M., Cheng, H.-L., Shinohara, A., Ogawa, H., Copeland, N., Jenkins, N. A., Lalande, M., Alt, F. W. RAB22 and RAB163/mouse BRCA2: proteins that specifically interact with the RAD51 protein. <i>Proc. Nat. Acad. Sci.</i> 94: 6927-6932, 1997. 3. Modesti, M., Budzowska, M., Baldeyron, C., Demmers, J. A. A., Ghirlando, R., Kanaar, R. RAD51AP1 is a structure-specific DNA binding protein that stimulates joint molecule formation during RAD51-mediated homologous recombination. <i>Molec. Cell</i> 28: 468-481, 2007.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453904
NCBI GeneID	10635
NCBI Accession #	NP_006470.1
NCBI GenBank Nucleotide #	NM_006479.4
UniProt Accession #	Q96B01 ; O43403 ; Q7Z779 ; A8K7D3
Molecular Weight	33,142 Da
NCBI Official Full Name	RAD51-associated protein 1 isoform b
NCBI Official Synonym Full Names	RAD51 associated protein 1
NCBI Official Symbol	RAD51AP1

NCBI Official Synonym Symbols	PIR51
NCBI Protein Information	RAD51-associated protein 1; RAD51AP1; RAD51-interacting protein
UniProt Protein Name	RAD51-associated protein 1
UniProt Gene Name	RAD51AP1
UniProt Entry Name	R51A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/rad51ap1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/127396>