

Rabbit RAD9 Polyclonal Antibody | anti-RAD9A antibody

RAD9 Antibody (BH3 Domain Specific)

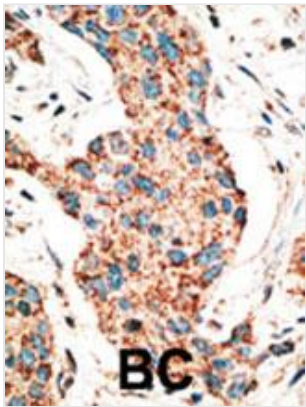
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286319	Rabbit	Human, mouse (Predicted Reactivity: Monkey)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

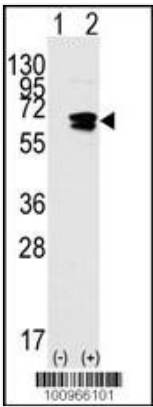
RAD9; Polyclonal Antibody; RAD9 Antibody (BH3 Domain Specific); Cell cycle checkpoint control protein RAD9A; hRAD9; DNA repair exonuclease rad9 homolog A; RAD9A; anti-RAD9A antibody

PRODUCT SPECIFICATIONS

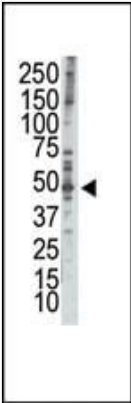
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RAD9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from human RAD9.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.8 (varies by lot)
Sequence Positions	1-30
Sequence Length	315
Applicable Applications for anti-RAD9A antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of Rad9 (arrow) using rabbit polyclonal Rad9 BH3 domain Pab. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the Rad9 gene (Lane 2) (Origene Technologies).



WB (Western Blot)
Western blot analysis of anti-Rad9 BH3 domain Pab in HL-60 cell lysate. Rad9 BH3 domain (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-RAD9A antibody	This gene product is highly similar to Schizosaccharomyces pombe rad9, a cell cycle checkpoint protein required for cell cycle arrest and DNA damage repair in response to DNA damage. This protein is found to possess 3' to 5' exonuclease activity, which may contribute to its role in sensing and repairing DNA damage. It forms a checkpoint protein complex with RAD1 and HUS1. This complex is recruited by checkpoint protein RAD17 to the sites of DNA damage, which is thought to be important for triggering the checkpoint-signaling cascade. Use of alternative polyA sites has been noted for this gene.
References	Hopkins, K.M., et al., Cancer Res. 63(17):5291-5298 (2003). Greer, D.A., et al., Cancer Res. 63(16):4829-4835 (2003). St Onge, R.P., et al., J. Biol. Chem. 278(29):26620-26628 (2003). Roos-Mattjus, P., et al., J. Biol. Chem. 278(27):24428-24437 (2003). Yoshida, K., et al., EMBO J. 22(6):1431-1441 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	342672046
NCBI GeneID	5883
NCBI Accession #	NP_001230153.1; NP_004575.1

NCBI GenBank Nucleotide #	NM_001243224.1
UniProt Accession #	Q99638 ; Q6FI29 ; Q96C41 ; B2RCZ8
Molecular Weight	42547
NCBI Official Full Name	cell cycle checkpoint control protein RAD9A isoform 2
NCBI Official Synonym Full Names	RAD9 checkpoint clamp component A
NCBI Official Symbol	RAD9A
NCBI Official Synonym Symbols	RAD9
NCBI Protein Information	cell cycle checkpoint control protein RAD9A
UniProt Protein Name	Cell cycle checkpoint control protein RAD9A
UniProt Gene Name	RAD9A
UniProt Synonym Gene Names	hRAD9
UniProt Entry Name	RAD9A_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://stage.aaabiotech.com/polyclonal/rad9-antibody-immunohistochemistry-western-blot-elisa/286319>