

Rabbit Rad9 Polyclonal Antibody | anti-RAD9A antibody

Rad9 Antibody (S387)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289915	Rabbit	Human (Predicted Reactivity: Monkey)	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

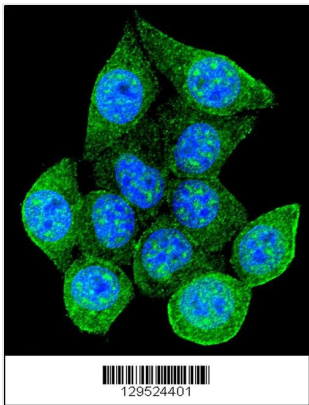
PRODUCT SYNONYMS

Rad9; Polyclonal Antibody; Rad9 Antibody (S387); Cell cycle checkpoint control protein RAD9A; hRAD9; DNA repair exonuclease rad9 homolog A; RAD9A; anti-RAD9A antibody

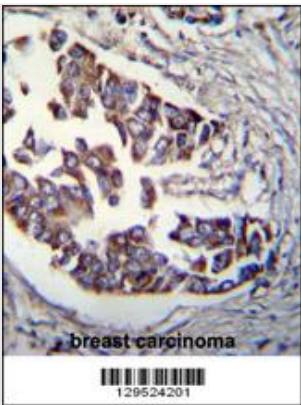
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Rad9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 365-391 amino acids from human Rad9.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.44 (varies by lot)
Sequence Positions	365-391
Sequence Length	391
Applicable Applications for anti-RAD9A antibody	IF (Immunofluorescence), 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.

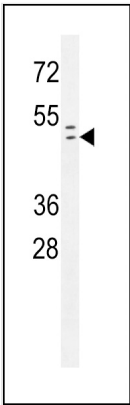
IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of Rad9 Antibody (S387) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
Rad9 Antibody (S387) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Rad9 Antibody (S387) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Rad9 Antibody (pS387) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the Rad9 antibody detected the Rad9 protein (arrow).

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	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Takeishi, Y., et al. Genes Cells 15(7):761-771(2010) Greer Card, D.A., et al. J. Biol. Chem. 285(20):15653-15661(2010) Bai, H., et al. DNA Repair (Amst.) 9(5):478-487(2010) Sierant, M.L., et al. Cell Cycle 9(3):548-556(2010)

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-immunofluorescence-immunohistochemistry-western-blot-elisa/289915>