

Rabbit anti-Human Rad9 Polyclonal Antibody | anti-Rad9 antibody

Rabbit anti-Rad9 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211200	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

Rad9; Polyclonal Antibody; Rabbit anti-Rad9 Antibody; Affinity Purified; RAD9 homolog A; RAD9; hRAD9; cell cycle checkpoint control protein RAD9A; DNA repair exonuclease rad9 homolog A; Cell cycle checkpoint control protein RAD9A; RAD9 checkpoint clamp component A; anti-Rad9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-Rad9 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 341 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human Rad9 by western blot. Samples: Whole cell lysate (25 ug) from HT-29, MOLT-4, HEK293T, K-562, and HeLa cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Rad9 antibody (AAA211200 lot 2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human Rad9 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Rad9 antibody (AAA211200 lot 2) used for IP at 6 ug per reaction. Rad9 was also immunoprecipitated by a previous lot of this antibody (AAA211200 lot 1) and a second antibody against a different epitope of Rad9 (BL3892). For blotting immunoprecipitated Rad9, AAA211200 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



IHC (Immunohistochemistry)

Detection of human Rad9 by immunohistochemistry. Sample: FFPE section of human prostate carcinoma. Antibody: Affinity purified rabbit anti-Rad9 (Cat. No. AAA211200 Lot 2) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-Rad9 antibody	Rad9 is a cell-cycle checkpoint protein with 3'-5' exonuclease activity and is part of the 9-1-1 complex. The 9-1-1 complex, also called the checkpoint clamp, is a trimeric complex that includes Rad9, Hus1, and Rad1. This complex is recruited by the RAD17/RFC clamp loader to DNA lesions where it aids in the activation of Chk2 by ATM and ATRIP and the subsequent triggering of the checkpoint signaling cascade. In addition to its role in sensing DNA damage, Rad9 also functions in the base excision repair process of DNA repair.
Product Categories/Family for anti-Rad9 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759022
NCBI GeneID	5883
NCBI Accession #	NP_004575.1
NCBI GenBank Nucleotide #	NM_004584.2
UniProt Accession #	Q99638; Q6FI29; Q96C41; B2RCZ8
Molecular Weight	42,547 Da
NCBI Official Full Name	cell cycle checkpoint control protein RAD9A isoform 1
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-immunoprecipitation-western-blot-elisa/211200>