

Rabbit anti-Human RAD9B Polyclonal Antibody | anti-RAD9B antibody

Anti-RAD9B Antibody, Rabbit Polyclonal

CATALOG # AAA259075	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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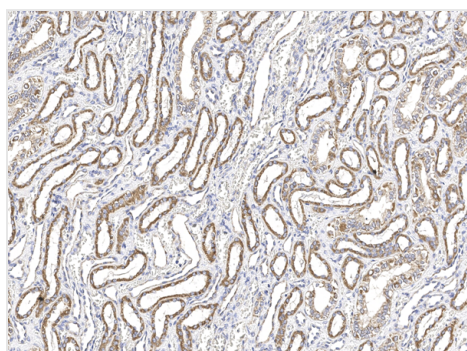
PRODUCT SYNONYMS

RAD9B; Polyclonal Antibody; Anti-RAD9B Antibody; Rabbit Polyclonal; anti-RAD9B antibody

PRODUCT SPECIFICATIONS

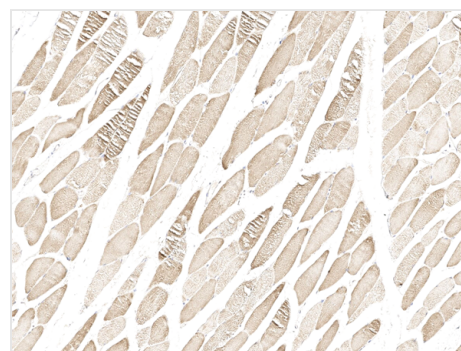
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human RAD9B
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-RAD9B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived Human RAD9B fragment
Preparation	Produced in rabbits immunized with E coli-derived Human RAD9B fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



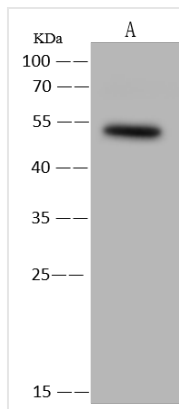
IHC (Immunohistochemistry)

Immunochemical staining of human RAD9B in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human RAD9B in human skeletal muscle with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-RAD9B rabbit polyclonal antibody at 1:500 dilution Lane A: THP-1 Whole Cell Lysate
Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 47 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-RAD9B antibody	RAD9 is an integral element of the PCNA-like HUS1-RAD1-RAD9 (9-1-1) complex that participates in genotoxin-induced CHK1 activation. RAD9B is a RAD9 paralog in humans and mice. RAD9 and RAD9B share extensive amino acid homology throughout their entire sequences (36% identity in humans, 48% similarity in mice). RAD9B transcripts are highly expressed in human testes, with lower levels found in skeletal muscle. RAD9B is also expressed in tumor cells. Like RAD9, RAD9B associates with HUS1, RAD1, and RAD17, suggesting that it is a RAD9 paralog that engages in similar biochemical reactions. Unlike Rad9, overexpression of Rad9B delays cells in G1 phase. Rad9B migrates to nucleoli after nucleolar stress in an ATR- and JNK-dependent manner, in a newly described nucleolar domain structure containing p21.
References	Pérez-Castro AJ, et al. (2012) Rad9b responds to nucleolar stress through atr and jnk signalling, and delays the g1-s transition. J Cell Sci 125 (Pt 5): 1152-1164. Dufault VM, et al. (2003) Identification and characterization of rad9b, a paralog of the rad9 checkpoint gene. Genomics 82 (6): 644-651. Cao X, et al. (2020) Loss of rad9b impairs early neural development and contributes to the risk for human spina bifida. Hum Mutat 41 (4): 786-799.

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/rad9b-antibody-immunohistochemistry-western-blot-elisa/259075>