

Rabbit anti-Mouse, Rat Rad9b Polyclonal Antibody | anti-Rad9b antibody

Anti-Rad9b Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19340	Rabbit	Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

Rad9b; Polyclonal Antibody; Anti-Rad9b Antibody; Cell cycle checkpoint control protein RAD9B; DNA repair exonuclease rad9 homolog B; mRAD9B; RAD9 checkpoint clamp component B; anti-Rad9b antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for Rad9b detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.01mg NaN ₃ .
Applicable Applications for anti-Rad9b antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA (Direct ELISA)
Application Notes	WB: 0.25-0.5ug/ml Mouse, Rat IHC-P: 0.5-1ug/ml Mouse, Rat FC/FACS/FCM: 1-3ug/1x10 ⁶ cells Mouse Direct ELISA: 0.1-0.5ug/ml Mouse
Immunogen	E Coli-derived mouse Rad9b recombinant protein (Position: M1-G403).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



FCM (Flow Cytometry)

Figure 7. Flow Cytometry analysis of HEPA1-6 cells using anti-Rad9b antibody (AAA19340). Overlay histogram showing HEPA1-6 cells stained with AAA19340 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Rad9b Antibody (AAA19340, 1µg/1x10⁶ cells) for 30 min at 20 degree C. DyLight[®]488 conjugated goat anti-rabbit IgG (5-10µg/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1µg/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IHC (Immunohistochemistry)

Figure 6. IHC analysis of Rad9b using anti-Rad9b antibody (AAA19340). Rad9b was detected in paraffin-embedded section of rat cardiac muscle tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti-Rad9b Antibody (AAA19340) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



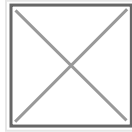
IHC (Immunohistochemistry)

Figure 5. IHC analysis of Rad9b using anti-Rad9b antibody (AAA19340).Rad9b was detected in paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1μg/ml rabbit anti-Rad9b Antibody (AAA19340) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



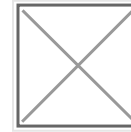
IHC (Immunohistochemistry)

Figure 4. IHC analysis of Rad9b using anti-Rad9b antibody (AAA19340).Rad9b was detected in paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1μg/ml rabbit anti-Rad9b Antibody (AAA19340) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



IHC (Immunohistochemistry)

Figure 3. IHC analysis of Rad9b using anti-Rad9b antibody (AAA19340).Rad9b was detected in paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1μg/ml rabbit anti-Rad9b Antibody (AAA19340) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).



IHC (Immunohistochemistry)

Figure 2. IHC analysis of Rad9b using anti-Rad9b antibody (AAA19340).Rad9b was detected in paraffin-embedded section of mouse cardiac muscle tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1μg/ml rabbit anti-Rad9b Antibody (AAA19340) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # with DAB as the chromogen).

ADDITIONAL INFORMATION

Related Product Information for anti-Rad9b antibody	By coimmunoprecipitation of erythroleukemia cells transfected with RAD9B, it was found that RAD9B associated with 3 endogenous checkpoint proteins, HUS1, RAD1, and RAD17, possibly in a 9-1-1-like complex. RAD9B also interacted with transfected HUS1B. It was also found decreased abundance of RAD9B mRNA in testicular seminomas relative to normal tissue controls and other types of testicular tumors.
References	1. Dufault, V. M., Oestreich, A. J., Vroman, B. T., Karnitz, L. M. Identification and characterization of RAD9B, a paralog of the RAD9 checkpoint gene. Genomics 82: 644-651, 2003. 2. Hopkins, K. M., Wang, X., Berlin, A., Hang, H., Thaker, H. M., Lieberman, H. B. Expression of mammalian paralogues of HRAD9 and Mrad9 checkpoint control genes in normal and cancerous testicular tissue. Cancer Res. 63: 591-598, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GI #	83649727
NCBI GeneID	231724
NCBI Accession #	NP_659161.2
NCBI GenBank Nucleotide #	NM_144912.3
UniProt Accession #	Q6WBX7
Molecular Weight	44,840 Da
NCBI Official Full Name	cell cycle checkpoint control protein RAD9B
NCBI Official Synonym Full Names	RAD9 homolog B
NCBI Official Symbol	Rad9b
NCBI Official Synonym Symbols	BC021784; A630082N15Rik
NCBI Protein Information	cell cycle checkpoint control protein RAD9B; mRAD9B; DNA repair exonuclease rad9 homolog B; cell cycle checkpoint control protein RAD9B homolog

UniProt Protein Name	Cell cycle checkpoint control protein RAD9B
UniProt Gene Name	Rad9b
UniProt Synonym Gene Names	mRAD9B
UniProt Entry Name	RAD9B_MOUSE

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-western-blot-immunohistochemistry-flow-cytometry-direct-elisa-elisa/19340>