

Rabbit anti-Human, mouse Rad9a Polyclonal Antibody | anti-Rad9a antibody

Mouse Rad9a Antibody (C-term)

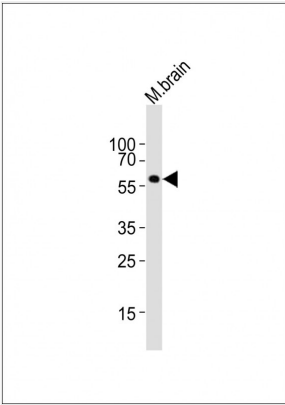
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285219	Rabbit	Human, mouse	ELISA, Western Blot

PRODUCT SYNONYMS

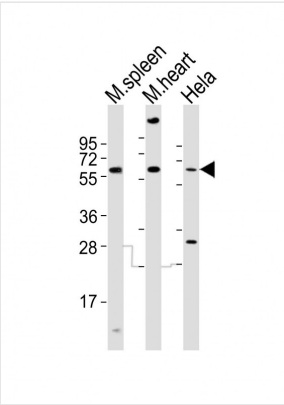
Rad9a; Polyclonal Antibody; Mouse Rad9a Antibody (C-term); Cell cycle checkpoint control protein RAD9A; mRAD9; DNA repair exonuclease rad9 homolog A; Rad9-like protein; Rad9; anti-Rad9a antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Rad9a antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 279-313 amino acids from the C-terminal region of Mouse Rad9a.
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 purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	389
Applicable Applications for anti-Rad9a antibody	ELISA, WB (Western Blot)
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.



WB (Western Blot)
Anti-Rad9a Antibody (C-term) at 1:1000 dilution + mouse brain lysates. Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 42 kDa. Blocking/Dilution buffer: 5% NFD/MTBST.



WB (Western Blot)
All lanes : Anti-Rad9a Antibody (C-term) at 1:2000 dilution. Lane 1: mouse spleen lysates. Lane 2: mouse heart lysates. Lane 3: HeLa whole cell lysates. Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 42 kDa. Blocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

Related Product Information for anti-Rad9a antibody	Component of the 9-1-1 cell-cycle checkpoint response complex that plays a major role in DNA repair. The 9-1-1 complex is recruited to DNA lesion upon damage by the RAD17-replication factor C (RFC) clamp loader complex. Acts then as a sliding clamp platform on DNA for several proteins involved in long-patch base excision repair (LP-BER). The 9-1-1 complex stimulates DNA polymerase beta (POLB) activity by increasing its affinity for the 3'-OH end of the primer-template and stabilizes POLB to those sites where LP-BER proceeds; endonuclease FEN1 cleavage activity on substrates with double, nick, or gap flaps of distinct sequences and lengths; and DNA ligase I (LIG1) on long-patch base excision repair substrates. The 9-1-1 complex is necessary for the recruitment of RHNO1 to sites of double-stranded breaks (DSB) occurring during the S phase. RAD9A possesses 3'->5' double stranded DNA exonuclease activity (By similarity).
References	Hang H., et al. J. Cell. Physiol. 177:241-247(1998). Carninci P., et al. Science 309:1559-1563(2005). Park Y.-G., et al. Submitted (JAN-2002) to the EMBL/GenBank/DBJ databases. Ishii H., et al. Proc. Natl. Acad. Sci. U.S.A. 102:9655-9660(2005). Sweet S.M., et al. Mol. Cell. Proteomics 8:904-912(2009).

NCBI AND UNIPROT INFORMATION

NCBI GI #	6755282
NCBI GeneID	19367
NCBI Accession #	NP_035367.1
NCBI GenBank Nucleotide #	NM_011237.2
UniProt Accession #	Q9Z0F6; Q8QZZ3
Molecular Weight	42059
NCBI Official Full Name	cell cycle checkpoint control protein RAD9A
NCBI Official Synonym Full Names	RAD9 homolog 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	Rad9; mRAD9
UniProt Entry Name	RAD9A_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/rad9a-antibody-western-blot-elisa/285219>