

## Mouse Rad9a Antibody (N-term)

Catalog_no :	AB3234
Reactivity :	M
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN
Specificity :	This mouse Rad9a antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 29-62 amino acids from the N-terminal region of mouse Rad9a.
Dilution :	WB,1:2000;WB,1:2000;
Other_name :	Cell cycle checkpoint control protein RAD9A, mRAD9, DNA repair exonuclease rad9 homolog A, Rad9-like protein, Rad9a, Rad9
Isotype :	Rabbit Ig
Background :	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).
reference :	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.,e