

Mouse Rad9a Antibody (C-term)

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| Catalog_no : | AB3275 |
| Reactivity : | H, 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 279-313 amino acids from the C-terminal region of Mouse Rad9a. |
| Dilution : | WB,1:2000;WB,1:1000; |
| 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. <u>RAD9A possesses 3'->5' double stranded DNA exonuclease activity (By similarity).</u> |
| 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 |