

**Product Name: Rad9 Mouse Monoclonal Antibody**  
**Catalog #: AMM85093**



## Summary

|                        |                                |
|------------------------|--------------------------------|
| <b>Production Name</b> | Rad9 Mouse Monoclonal Antibody |
| <b>Description</b>     | Mouse Monoclonal Antibody      |
| <b>Host</b>            | Mouse                          |
| <b>Application</b>     | WB,IP                          |
| <b>Reactivity</b>      | Human,Mouse,Rat,Monkey         |

## Performance

|                     |                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                              |
| <b>Modification</b> | Unmodified                                                                                |
| <b>Isotype</b>      | Mouse IgG2b                                                                               |
| <b>Clonality</b>    | Monoclonal                                                                                |
| <b>Form</b>         | Liquid                                                                                    |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.  |
| <b>Buffer</b>       | Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol. |
| <b>Purification</b> | Affinity Purification                                                                     |

## Immunogen

|                          |                                                                                |
|--------------------------|--------------------------------------------------------------------------------|
| <b>Gene Name</b>         | Rad9                                                                           |
| <b>Alternative Names</b> | RAD9; hRAD9                                                                    |
| <b>Gene ID</b>           | 5883.0                                                                         |
| <b>SwissProt ID</b>      | Q99638. Purified recombinant human RAD9A protein fragments expressed in E.coli |

## Application

|                         |                                            |
|-------------------------|--------------------------------------------|
| <b>Dilution Ratio</b>   | WB:1:500-1:1000,IP:1:10-1:20               |
| <b>Molecular Weight</b> | Calculated MW: 43 kDa; Observed MW: 55 kDa |

## Background

This gene product is highly similar to Schizosaccharomyces pombe rad9, a cell cycle checkpoint protein required for cell

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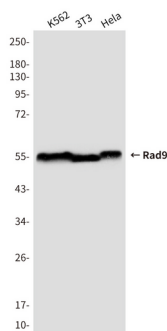
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cycle arrest and DNA damage repair. This protein possesses 3' to 5' exonuclease activity, which may contribute to its role in sensing and repairing DNA damage. It forms a checkpoint protein complex with RAD1 and HUS1. This complex is recruited by checkpoint protein RAD17 to the sites of DNA damage, which is thought to be important for triggering the checkpoint-signaling cascade. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Research Area

## Image Data



Western blot analysis of RAD9A in K562, 3T3 and HeLa lysates using RAD9A antibody.

## Note

For research use only.