

Datasheet for ABIN6241388  
**anti-RAD9A antibody**



[Go to Product page](#)

2 Images

### Overview

|              |   |
|--------------|---|
| Quantity:    | 100 µL  |
| Target:      | RAD9A   |
| Reactivity:  | Human, Mouse                                    |
| Host:        | Mouse   |
| Clonality:   | Monoclonal                                      |
| Conjugate:   | This RAD9A antibody is un-conjugated            |
| Application: | Western Blotting (WB), Immunoprecipitation (IP) |

### Product Details

Immunogen: Recombinant Protein

### Target Details

|                   |  |
|-------------------|--|
| Target:           | RAD9A  |
| Alternative Name: | RAD9A ( <a href="#">RAD9A Products</a> )   |
| 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 |

## Target Details

complex is necessary for the recruitment of RHN01 to sites of double-stranded breaks (DSB) occurring during the S phase. RAD9A possesses 3'->5' double stranded DNA exonuclease activity. Its phosphorylation by PRKCD may be required for the formation of the 9-1-1 complex.

UniProt: [Q99638](#)

Pathways: [Positive Regulation of Response to DNA Damage Stimulus](#)

## Application Details

Application Notes: IP: 1:500. WB: 1:500

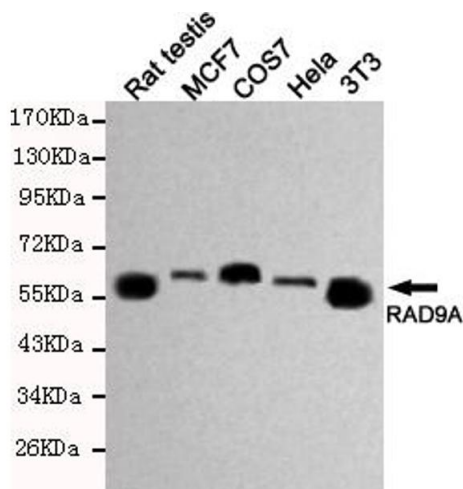
Restrictions: For Research Use only

## Handling

Format: Liquid

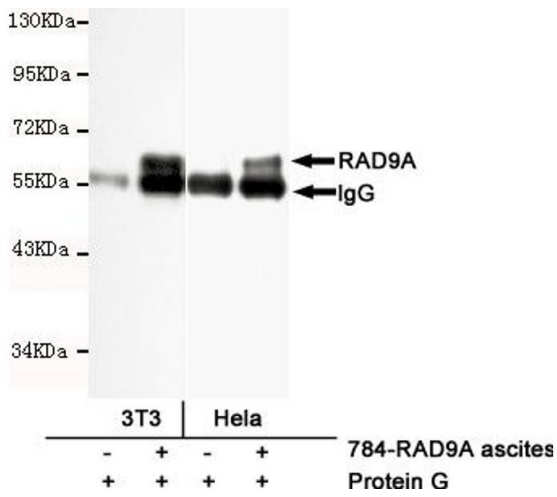
Storage: 4 °C,-20 °C

## Images



### Western Blotting

**Image 1.** Western blot detection of RAD9A in HeLa, MCF7, 3T3, COS7 and Rat testis cell lysates using RAD9A mouse mAb (1:500 diluted). Predicted band size: 43 kDa. Observed band size: 55 kDa.



### Immunoprecipitation

**Image 2.** Immunoprecipitation analysis of HeLa and 3T3 cell lysates using RAD9A mouse mAb.