

**Product Name: Rad9 Mouse Monoclonal Antibody****Catalog #: AMM03701**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IP
<b>Reactivity</b>	Human,Mouse,Rat,Monkey
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG2b
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 43 kDa; Observed MW: 60 kDa

**Antigen Information**

<b>Gene Name</b>	RAD9A
<b>Alternative Names</b>	RAD9; hRAD9
<b>Gene ID</b>	5883
<b>SwissProt ID</b>	Q99638
<b>Immunogen</b>	

**Background**

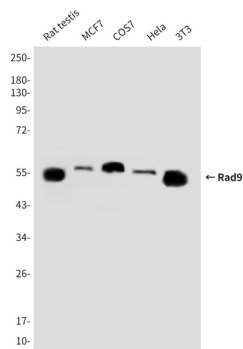
This gene product is highly similar to Schizosaccharomyces pombe rad9, a cell cycle checkpoint protein required for cell cycle arrest and DNA damage repair. This protein possesses 3' to 5' exonuclease activity, which may contribute to its role in sensing

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.

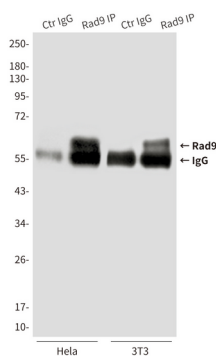
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of RAD9A in HeLa, MCF-7, 3T3, COS7 and rat testis lysates using RAD9A antibody.



Immunoprecipitation analysis of Rad9 in HeLa and 3T3 lysates using RAD9A antibody.