Product Name: Rad9 Mouse Monoclonal Antibody
Catalog #: AMM00971

Summary

Production Name	Rad9 Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB,IP
Reactivity	Human,Mouse,Rat,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2b
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	RAD9A
Alternative Names	RAD9; hRAD9
Gene ID	5883
SwissProt ID	Q99638

Application

Dilution Ratio	WB: 1/500-1/1000 IP: 1/20
Molecular Weight	Calculated MW: 43 kDa; Observed MW: 55 kDa

Background

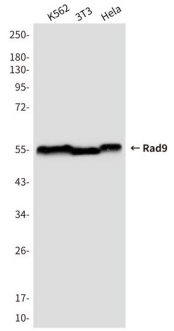
This gene product is highly similar to Schizosaccharomyces pombe rad9, a cell cycle checkpoint protein required for cell

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 K562, 3T3 and Hela lysates using RAD9A antibody.

Note

For research use only.