

RAD9 MOUSE MAB

Cat.#: N261085

Product Name: Anti-Rad9 Mouse Monoclonal Antibody

Synonyms: RAD9; hRAD9

UNIPROT ID: Q99638

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.

Immunogen: Purified recombinant human RAD9A protein fragments expressed in *E.coli*

Applications: WB,IP

Recommended Dilutions: WB: 1/500-1/1000 IP: 1/20

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 3A3-A7-F8

MW: Calculated MW: 43 kDa; Observed MW: 60 kDa

Isotype: IgG2b

Purification: Affinity Purified

Species Reactivity: Human,Mouse,Rat,Monkey

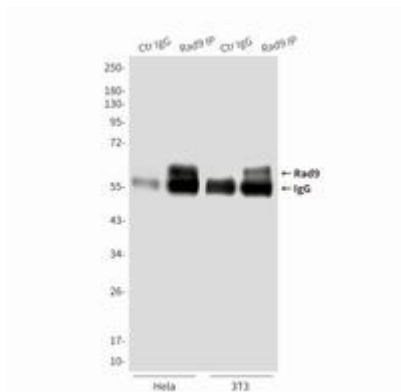
Conjugation: Unconjugated

Modification: Unmodified

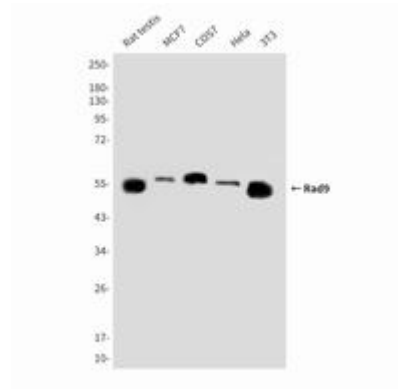
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Epigenetics and Nuclear Signaling

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



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



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