

## RAD9 MOUSE MAB

**Cat.#:** N261533

**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: 55 kDa

**Isotype:** IgG2b

**Purification:** Affinity Purified

**Species Reactivity:** Human,Mouse,Rat,Monkey

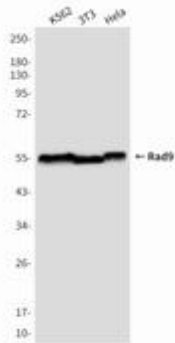
**Conjugation:** Unconjugated

**Modification:** Unmodified

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), 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



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