

## Product datasheet for **TA347038S**

### Rad9 (RAD9A) Mouse Monoclonal Antibody [Clone ID: 3A3-A7-F8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	3A3-A7-F8
Applications:	IP, WB
Recommended Dilution:	WB: 1:500
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	The immunogen for RAD9A antibody: purified recombinant human RAD9A protein fragments expressed in E.coli
Formulation:	Purified mouse monoclonal in PBS(pH 7.4)containing with 0.02% sodium azide,50% glycerol.
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55 kDa
Gene Name:	RAD9 checkpoint clamp component A
Database Link:	<a href="#">NP_004575</a> <a href="#">Entrez Gene 19367 MouseEntrez Gene 100361529 RatEntrez Gene 712345 MonkeyEntrez Gene 5883 Human</a> <a href="#">Q99638</a>



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**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. [provided by RefSeq, Aug 2011]

**Synonyms:** RAD9

**Protein Families:** Druggable Genome, Stem cell - Pluripotency