

RAD9A monoclonal antibody, clone 93A535

Catalog # MAB0063 Size 100 ug

Applications



Western Blot (Recombinant protein)

Western blot analysis of RAD9A. Using RAD9A monoclonal antibody, clone 93A535 (Cat # MAB0063) at 2 ug/mL against recombinant RAD9.

Specification	
Product Description	Mouse monoclonal antibody raised against full length recombinant RAD9A.
Immunogen	Recombinant protein corresponding to full length human RAD9A.
Host	Mouse
Reactivity	Human
Form	Liquid
lsotype	lgG
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.



Applications

• Western Blot (Recombinant protein)

Western blot analysis of RAD9A. Using RAD9A monoclonal antibody, clone 93A535 (Cat # MAB0063) at 2 ug/mL against recombinant RAD9.

- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation

Gene Info — RAD9A	
Entrez GenelD	<u>5883</u>
Gene Name	RAD9A
Gene Alias	RAD9
Gene Description	RAD9 homolog A (S. pombe)
Omim ID	<u>603761</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	This gene product is highly similar to Schizosaccharomyces pombe rad9, a cell cycle checkpoint protein required for cell cycle arrest and DNA damage repair in response to DNA damage. This p rotein is found to possess 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 co mplex is recruited by checkpoint protein RAD17 to the sites of DNA damage, which is thought to be important for triggering the checkpoint-signaling cascade. Use of alternative polyA sites has b een noted for this gene. [provided by RefSeq
Other Designations	RAD9 homolog cell cycle checkpoint control protein

Publication Reference

• <u>The human checkpoint sensor Rad9-Rad1-Hus1 interacts with and stimulates DNA repair enzyme TDG</u> <u>glycosylase</u>.

Guan X, Madabushi A, Chang DY, Fitzgerald ME, Shi G, Drohat AC, Lu AL.

Nucleic Acids Research 2007 Sep; 35(18):6207.



Protein expression profiling and molecular classification of gastric cancer by the tissue array method.

Lee HS, Cho SB, Lee HE, Kim MA, Kim JH, Park do J, Kim JH, Yang HK, Lee BL, Kim WH. Clinical Cancer Research 2007 Jul; 13(14):4154.

• Epstein-barr virus-positive gastric carcinoma has a distinct protein expression profile in comparison with epstein-barr virus-negative carcinoma.

Lee HS, Chang MS, Yang HK, Lee BL, Kim WH. Clinical Cancer Research 2004 Mar; 10(5):1698.

• PCNA interacts with hHus1/hRad9 in response to DNA damage and replication inhibition.

Komatsu K, Wharton W, Hang H, Wu C, Singh S, Lieberman HB, Pledger WJ, Wang HG. Oncogene 2000 Nov; 19(46):5291.

Disease

- Ataxia telangiectasia
- <u>Cardiovascular Diseases</u>
- Colorectal Neoplasms
- Diabetes Mellitus
- Edema
- Kidney Failure