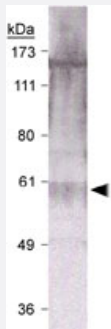


RAD9A polyclonal antibody

Catalog # PAB12050

Size 50 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of RAD9A in U-2 OS cell lysate with RAD9A polyclonal antibody (Cat # PAB12050).

Specification

Product Description Rabbit polyclonal antibody raised against full length recombinant RAD9A.

Immunogen Recombinant protein corresponding to full length human RAD9A.

Host Rabbit

Reactivity Human

Form Liquid

Recommend Usage Immunohistochemistry (1:800)
Western Blot (1:1000-1:1500)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (0.09% sodium azide)

Storage Instruction Store at 4°C for short term. 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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of RAD9A in U-2 OS cell lysate with RAD9A polyclonal antibody (Cat # PAB12050).

- Immunohistochemistry

Gene Info — RAD9A

Entrez GeneID [5883](#)

Gene Name RAD9A

Gene Alias RAD9

Gene Description RAD9 homolog A (S. pombe)

Omim ID [603761](#)

Gene Ontology [Hyperlink](#)

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 protein 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 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. Use of alternative polyA sites has been noted for this gene. [provided by RefSeq]

Other Designations RAD9 homolog|cell cycle checkpoint control protein

Publication Reference

- [ATR and Rad17 collaborate in modulating Rad9 localisation at sites of DNA damage.](#)

Medhurst AL, Warmerdam DO, Akerman I, Verwayen EH, Kanaar R, Smits VA, Lakin ND.

Journal of Cell Science 2008 Dec; 121(Pt 23):3933.

Application: WB, Human, HeLa, U-2 OS cells

- [ATM-dependent phosphorylation of human Rad9 is required for ionizing radiation-induced checkpoint activation.](#)

Chen MJ, Lin YT, Lieberman HB, Chen G, Lee EY.

The Journal of Biological Chemistry 2001 May; 276(19):16580.

Application: IP-WB, WB-Ce, WB-Tr, Human, T24, NBS, A-T cells

- [A human homolog of the Schizosaccharomyces pombe rad9+ checkpoint control gene.](#)

Lieberman HB, Hopkins KM, Nass M, Demetrick D, Davey S.

PNAS 1996 Nov; 93(24):13890.

Disease

- [Ataxia telangiectasia](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
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- [Edema](#)
- [Kidney Failure](#)