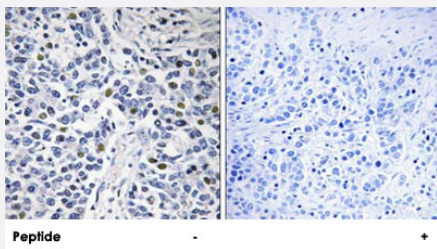


RAD9A polyclonal antibody

Catalog # PAB17290 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue using RAD9A polyclonal antibody (Cat # PAB17290).

Peptide "+" means "with peptide blocking".

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of RAD9A.

Immunogen A synthetic peptide corresponding to internal of human RAD9A.

Host Rabbit

Reactivity Human

Specificity This antibody detects endogenous levels of total RAD9A protein.

Form Liquid

Recommend Usage Immunohistochemistry (1:50-1:100)
ELISA (1:5000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)

Storage Instruction 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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue using RAD9A polyclonal antibody (Cat # PAB17290).

Peptide "+" means "with peptide blocking".

Gene Info — RAD9A

Entrez GeneID [5883](#)

Protein Accession# [Q96C41](#)

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

- [Phosphorylation of human Rad9 is required for genotoxin-activated checkpoint signaling.](#)

Roos-Mattjus P, Hopkins KM, Oestreich AJ, Vroman BT, Johnson KL, Naylor S, Lieberman HB, Karnitz LM.

The Journal of Biological Chemistry 2003 Jul; 278(27):24428.

Application: IP-WB, Mouse, Es cells

- [c-Abl tyrosine kinase regulates the human Rad9 checkpoint protein in response to DNA damage.](#)

Yoshida K, Komatsu K, Wang HG, Kufe D.

Molecular and Cellular Biology 2002 May; 22(10):3292.

- [Mutant alleles of Schizosaccharomyces pombe rad9\(+\) alter hydroxyurea resistance, radioresistance and checkpoint control.](#)

Hang H, Rauth SJ, Hopkins KM, Lieberman HB.

Nucleic Acids Research 2000 Nov; 28(21):4340.

Disease

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