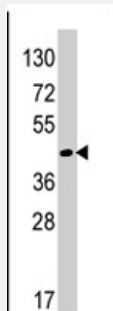


# RAD9A polyclonal antibody

Catalog # PAB4457

Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of RAD9A polyclonal antibody (Cat # PAB4457) in HeLa cell line lysates (35 ug/lane). Rad9 (arrow) was detected using the purified RAD9A polyclonal antibody (Cat # PAB4457) (1 : 60 dilution).

## Specification

|                            |  |
|----------------------------|--|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of RAD9A.  |
| <b>Immunogen</b>           | A synthetic peptide (conjugated with KLH) corresponding to internal region of human RAD9A.                             |
| <b>Host</b>                | Rabbit   |
| <b>Reactivity</b>          | Human  |
| <b>Form</b>                | Liquid   |
| <b>Purification</b>        | Protein A purification   |
| <b>Recommend Usage</b>     | ELISA (1:1000)<br>Western Blot (1:50-100)<br>The optimal working dilution should be determined by the end user.        |
| <b>Storage Buffer</b>      | In PBS (0.09% sodium azide)  |
| <b>Storage Instruction</b> | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                 |
| <b>Note</b>                | 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 polyclonal antibody (Cat # PAB4457) in HeLa cell line lysates (35 ug/lane). Rad9 (arrow) was detected using the purified RAD9A polyclonal antibody (Cat # PAB4457) (1 : 60 dilution).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — RAD9A

|               |                      |
|---------------|----------------------|
| Entrez GeneID | <a href="#">5883</a> |
|---------------|----------------------|

|                    |                                  |
|--------------------|----------------------------------|
| Protein Accession# | <a href="#">NP_004575:Q99638</a> |
|--------------------|----------------------------------|

|           |       |
|-----------|-------|
| Gene Name | RAD9A |
|-----------|-------|

|            |      |
|------------|------|
| Gene Alias | RAD9 |
|------------|------|

|                  |                           |
|------------------|---------------------------|
| Gene Description | RAD9 homolog A (S. pombe) |
|------------------|---------------------------|

|         |                        |
|---------|------------------------|
| Omim ID | <a href="#">603761</a> |
|---------|------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <a href="#">Hyperlink</a> |
|---------------|---------------------------|

|              |  |
|--------------|--|
| 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

- [Accumulation of hRad9 protein in the nuclei of nonsmall cell lung carcinoma cells.](#)

Maniwa Y, Yoshimura M, Bermudez VP, Yuki T, Okada K, Kanomata N, Ohbayashi C, Hayashi Y, Hurwitz J, Okita Y. Cancer 2005 Jan; 103(1):126.

- [The human Rad9-Rad1-Hus1 checkpoint complex stimulates flap endonuclease 1.](#)

Wang W, Brandt P, Rossi ML, Lindsey-Boltz L, Podust V, Fanning E, Sancar A, Bambara RA.  
PNAS 2004 Nov; 101(48):16762.

- [The human Rad9 checkpoint protein stimulates the carbamoyl phosphate synthetase activity of the multifunctional protein CAD.](#)

Lindsey-Boltz LA, Wauson EM, Graves LM, Sancar A.  
Nucleic Acids Research 2004 Aug; 32(15):4524.

## Disease

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