



RAD9 (Cell Cycle Checkpoint Control Protein RAD9A, DNA Repair Exonuclease Rad9 Homolog A, hRAD9, RAD9 (S pombe) Homolog, RAD9 Homolog, RAD9 Homolog A, RAD9A)

Catalog number

R0444-65B

Supplier

United States Biological

Human Rad9 is a homologue of Schizosaccharomyces pombe Rad9 protein and plays a critical role in cell cycle checkpoint control.

Applications

Suitable for use in Western Blot and Immunohistochemistry. Other applications not tested.

Recommended Dilution

Optimal dilutions to be determined by the researcher.

Positive Control

Osteocarcinoma (U2OS) cell lysate

Storage and Stability

May be stored at 4°C for short-term only. For long-term storage and to avoid repeated freezing and thawing, add sterile glycerol (40-50%), aliquot and store at -20°C. Aliquots are stable for at least 3 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

Fusion protein of full length human Rad9 protein.

Formulation

As reported

Purity

Purified by immunoaffinity chromatography.

Specificity

Species Crossreactivity: Human. Other species have not been tested.

Product Type

Pab

Source

human

**Isotype**

IgG

Grade

Affinity Purified

Applications

IHC WB

Crossreactivity

Hu

Storage

-20°C

Reference

1. Chen, M.J., et al. ATM-dependent Phosphorylation of Human Rad9 is Required for Ionizing Radiation-induced Checkpoint Activation. JBC. 276 (19): 16580-16597 (2001). (Western Blot, Immunoprecipitation, human)
2. St. Onge, P., et al. DNA Damage-dependent and-independent Phosphorylation of the hRad9 Checkpoint Protein. JBC. 276 (45): 41898-41905 (2001). (Immunoprecipitation, Western blot, human).