

Recombinant Human RAD9A 293 Cell Lysate

Cat. No. RAD9A-2551HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for RAD9 homolog A (<i>S. pombe</i>) (RAD9A) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

[RAD9A RAD9 homolog A \(S. pombe\) \[Homo sapiens \]](#)

Official Symbol

RAD9A

Synonyms

RAD9A; RAD9 homolog A (S. pombe); RAD9, RAD9 (S. pombe) homolog; cell cycle checkpoint control protein RAD9A; hRAD9; DNA repair exonuclease rad9 homolog A; RAD9;

Gene ID

[5883](#)

mRNA Refseq

[NM_001243224](#)

Protein Refseq

[NP_001230153](#)

MIM

[603761](#)

UniProt ID

[Q99638](#)

**Chromosome
Location**

11q13.1-q13.2

Pathway

Activation of ATR in response to replication stress, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; G2/M Checkpoints, organism-specific biosystem; Regulation of Telomerase, organism-specific biosystem;

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Function

3-5 exonuclease activity; SH3 domain binding; enzyme binding;
exodeoxyribonuclease III activity; histone deacetylase binding; hydrolase activity;
protein binding; protein kinase binding;