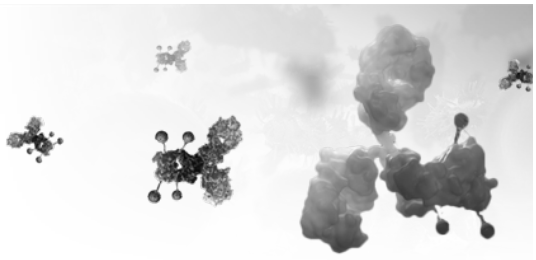

Human RAD9A blocking peptide (CDBP2462)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-RAD9A antibody
Antigen Description	This gene product is highly similar to Schizosaccharomyces pombe rad9, a cell cycle checkpoint protein required for cell cycle arrest and DNA damage repair. This protein possesses 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	RAD9A RAD9 homolog A (S. pombe) [Homo sapiens (human)]
Official Symbol	RAD9A

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Synonyms	RAD9A; RAD9 homolog A (S. pombe); RAD9; cell cycle checkpoint control protein RAD9A; hRAD9; DNA repair exonuclease rad9 homolog A;
Entrez Gene ID	5883
mRNA Refseq	NM_001243224.1
Protein Refseq	NP_001230153.1
UniProt ID	Q99638
Chromosome Location	11q13.1-q13.2
Pathway	Activation of ATR in response to replication stress, organism-specific biosystem; Androgen receptor signaling pathway, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; DNA damage response, organism-specific biosystem; G2/M Checkpoints, organism-specific biosystem; Regulation of Telomerase, organism-specific biosystem;
Function	3-5 exonuclease activity; SH3 domain binding; enzyme binding; exodeoxyribonuclease III activity; histone deacetylase binding; protein binding; protein kinase binding;

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