

RAD9 (Phospho Ser272) Rabbit pAb

CatalogNo: YP1566

Key Features

Host Species

Rabbit

Reactivity

Human,Rat,Mouse,

ApplicationsWB,ELISA

MW • 78kD (Observed) lsotype • lgG

Recommended Dilution Ratios

WB 1:1000-2000 ELISA 1:5000-20000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human RAD9 (Phospho Ser272)

Specificity This antibody detects endogenous levels of Human RAD9 (Phospho Ser272).The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):SHsQD

Target Information

Gene name	RAD9			
Protein Name	RAD9 (Phospho Ser272)			
	Organism	Gene ID	UniProt ID	
	Human	<u>5883;</u>	<u>Q96C41;</u>	
Function	Human5883;Q96C41;Catalytic activity:Exonucleolytic cleavage in the 3'- to 5'-direction to yield nucleoside 5'- phosphates.,Function:Component of the 9-1-1 cell-cycle checkpoint response complex that plays a major role in DNA repair. The 9-1-1 complex is recruited to DNA lesion upon damage by the RAD17-replication factor C (RFC) clamp loader complex. Acts then as a sliding clamp platform on DNA for several proteins involved in long-patch base excision repair (LP-BER). The 9-1-1 complex stimulates DNA polymerase beta (POLB) activity by increasing its affinit for the 3'-OH end of the primer-template and stabilizes POLB to those sites where LP-BER proceeds; endonuclease FEN1 cleavage activity on substrates with double, nick, or gap flaps of distinct sequences and lengths; and DNA ligase I (LIG1) on long-patch base excisio repair substrates. RAD9A possesses 3'->5' double stranded DNA exonuclease activity. Its phosphorylation by PRKCD may be required for the formation of the 9-1-1 complex.,PTM:Constitutively phosphorylated by PRKCD and ABL1 upon DNA damage. Its phosphorylation by PRKCD may be required for the formation of the 9-1-1 complex.,similarity:Belongs to the rad9 family.,subunit:Component of the 9-1-1 (RAD9-RAD1-HUS1) complex, composed of RAD9A, RAD1 and HUS1. The 9-1-1 complex associates with LIG1, POLB, FEN1, RAD17, HDAC1, RPA1 and RPA2. The 9-1-1 complex associates with the BAD17 PEC complex		direction to yield nucleoside 5'- checkpoint response complex that cruited to DNA lesion upon damage mplex. Acts then as a sliding clamp tch base excision repair (LP-BER). LB) activity by increasing its affinity POLB to those sites where LP-BER trates with double, nick, or gap I (LIG1) on long-patch base excision ded DNA exonuclease activity. Its ation of the 9-1-1 nd threonine amino acids in D and ABL1 upon DNA damage. Its ation of the 9-1-1 Component of the toroidal 9-1-1 L and HUS1. The 9-1-1 complex and RPA2. The 9-1-1 complex ts with BCL2L1, FEN1, PRKCD,	

Validation Data

Contact information

Orders:	order@immunoway.com
Support:	tech@immunoway.com
Telephone:	877-594-3616 (Toll Free), 408-747-0185
Website:	http://www.immunoway.com
Address:	2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information: **RAD9 (Phospho Ser272) Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

Antibody | ELISA Kits | Protein | Reagents