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# Datasheet for ABIN655465 anti-RAD9A antibody (AA 365-391)

3 Images



### Overview

Quantity:	400 µL
Target:	RAD9A
Binding Specificity:	AA 365-391
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD9A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

## Product Details

Immunogen:	This Rad9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 365-391 amino acids from human Rad9.
Clone:	RB29524
Isotype:	Ig Fraction
Predicted Reactivity:	Pr
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	

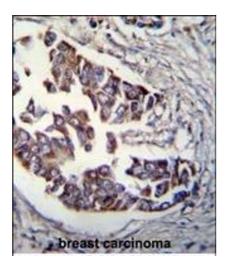
Target:

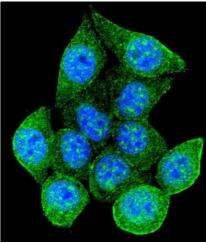
RAD9A

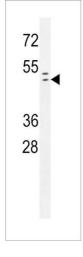
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Target Details				
Alternative Name:	Rad9 (RAD9A Products)			
Background:	This gene product is highly similar to Schizosaccharomyces pombe rad9, a cell cycle checkpoint protein required for cell cycle arrest and DNA damage repair in response to DNA 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.			
Molecular Weight:	42547			
Gene ID:	5883			
NCBI Accession:	NP_001230153, NP_004575			
UniProt:	Q99638			
Pathways:	Positive Regulation of Response to DNA Damage Stimulus			
Application Details				
Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50			
Restrictions:	For Research Use only			
Handling				
Format:	Liquid			
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.			
Preservative:	Sodium azide			
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.			
Storage:	4 °C,-20 °C			
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.			
Expiry Date:	6 months			

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### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Rad9 Antibody (ABIN655465 and ABIN2844992) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Rad9 Antibody for immunohistochemistry. Clinical relevance has not been evaluated.

### Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of Rad9 Antibody (ABIN655465 and ABIN2844992) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).

Western Blotting									
Image	3.	Rad9	Antibody	(p)	(ABIN655465	and			
ABIN2844992) western blot analysis in 293 cell line lysates									
(35 µg/lane).This demonstrates the Rad9 antibody detected									
the Rad9 protein (arrow).									

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