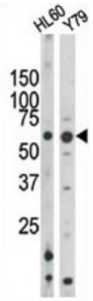
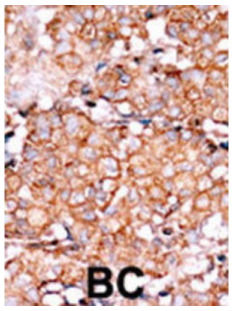
Cell Cycle Checkpoint Control Protein RAD9A Phospho-Ser328 (RAD9A pS328) Antibody

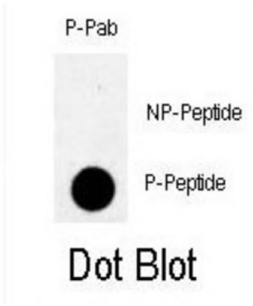
Catalogue No.:abx031902



WB analysis of HL60 and Y79 cell lysates.



IHC-P analysis of human breast carcinoma tissue, with AEC staining.



Dot blot analysis of phospho-peptide or non-phosphopeptide on nitrocellulose membrane, using RAD9A pS328 Antibody (0.5 µg/ml).

Rad9 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.

Target:	Cell Cycle Checkpoint Control Protein RAD9A Phospho-Ser328 (RAD9A pS328)
Clonality:	Polyclonal
Target Modification:	Ser328
Modification:	Phosphorylation
Reactivity:	Human

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Tested Applications:	ELISA, WB, IHC, DB
Host:	Rabbit
Recommended dilutions:	WB: 1/1000, IHC-P: 1/50 - 1/100, DB: 1/500. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S328 of human RAD9.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by protein G affinity chromatography. Then, the antibody fraction was peptide affinity purified in a 2-step procedure with control and phosphorylated peptides. The phospho-specific antibody was eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q99638 (UniProt, ExPASy)
Molecular Weight:	Calculated MW: 42.5 kDa
Buffer:	PBS containing 0.09% sodium azide.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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