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Datasheet for ABIN389633

anti-RAD9A antibody (pSer328)

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Overview

Quantity:	400 µL
Target:	RAD9A
Binding Specificity:	pSer328
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD9A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Dot Blot (DB)

Product Details

Immunogen:	This RAD9 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S328 of human RAD9.
Clone:	RB7115
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	RAD9A
Alternative Name:	RAD9 (RAD9A Products)

Target Details

Background:	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.
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:	WB: 1:1000. IHC-P: 1:50~100. DB: 1:500
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

Publications

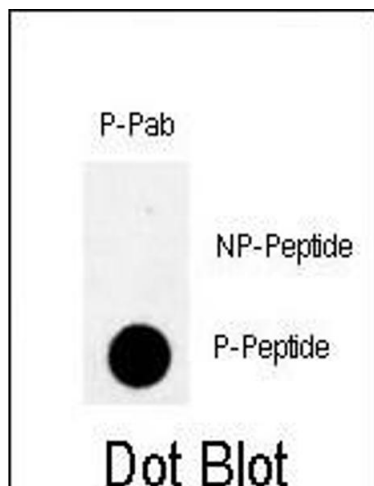
Product cited in:	Murakami, Ito, Hagiwara, Yoshida, Sobue, Ichihara, Takagi, Kojima, Tanaka, Tamiya-Koizumi, Kyogashima, Suzuki, Banno, Nozawa, Murate: "ATRA inhibits ceramide kinase transcription in a
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human neuroblastoma cell line, SH-SY5Y cells: the role of COUP-TFI." in: **Journal of neurochemistry**, Vol. 112, Issue 2, pp. 511-20, (2010) ([PubMed](#)).

Yang, Gagarin, St Laurent, Hammell, Toma, Hu, Iwasa, McCaffrey: "Cardiovascular inflammation and lesion cell apoptosis: a novel connection via the interferon-inducible immunoproteasome." in: **Arteriosclerosis, thrombosis, and vascular biology**, Vol. 29, Issue 8, pp. 1213-9, (2009) ([PubMed](#)).

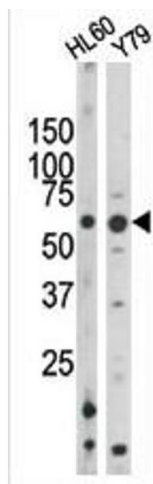
Hinkovska-Galcheva, Clark, VanWay, Huang, Hiraoka, Abe, Borofsky, Kunkel, Shanley, Shayman, Lanni, Petty, Boxer: "Ceramide kinase promotes Ca²⁺ signaling near IgG-opsonized targets and enhances phagolysosomal fusion in COS-1 cells." in: **Journal of lipid research**, Vol. 49, Issue 3, pp. 531-42, (2008) ([PubMed](#)).

Images



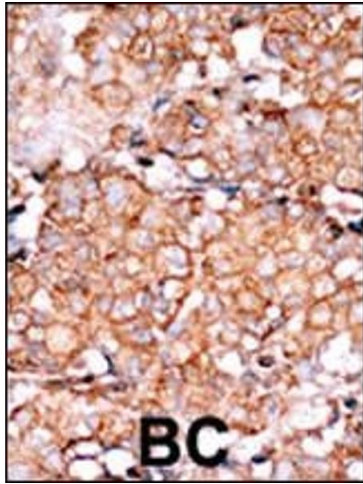
Dot Blot

Image 1. Dot blot analysis of anti-Phospho-Rad9- Antibody (ABIN389633 and ABIN2839629) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 µg per ml.



Western Blotting

Image 2. The anti-Phospho-Rad9- Pab (ABIN389633 and ABIN2839629) is used in Western blot to detect Phospho-Rad9- in HL60 (left) and Y79 (right) tissue lysates.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.