Datasheet for ABIN392442

anti-PIM2 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	PIM2
Binding Specificity:	AA 277-308, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIM2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PIM2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 277-308 amino acids from the C-terminal region of human PIM2.
Clone:	RB01288
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	PIM2
Alternative Name:	PIM2 (PIM2 Products)

Target Details

Background:	Pim proteins (Pim-1, Pim-2 and Pim-3) are oncogene-encoded serine/threonine kinases. Pim-2 is highly homologous to Pim-1 with similar oncogenic functions. Pim-2 overexpression promotes resistance to a host of apoptotic stimuli, its expression is negatively regulated by growth factor depletion. Increased levels of Pim-2 has also been observed in certain cancers.
Molecular Weight:	34190
Gene ID:	11040
NCBI Accession:	NP_006866
UniProt:	Q9P1W9

Application Details

Application Notes:	IP: 1:50~100. WB: 1:1000. WB: 1:1000. WB: 1:2000. IHC-P: 1:50~100
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:	Pogacic, Bullock, Fedorov, Filippakopoulos, Gasser, Biondi, Meyer-Monard, Knapp, Schwaller: " Structural analysis identifies imidazo[1,2-b]pyridazines as PIM kinase inhibitors with in vitro antileukemic activity." in: **Cancer research**, Vol. 67, Issue 14, pp. 6916-24, (2007) (PubMed).

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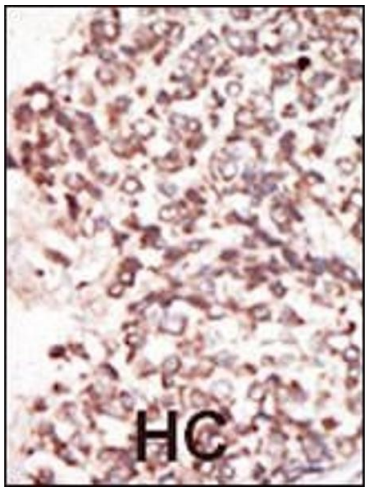
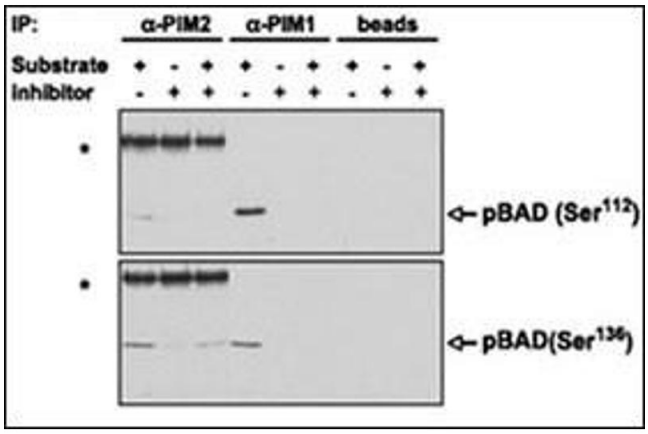


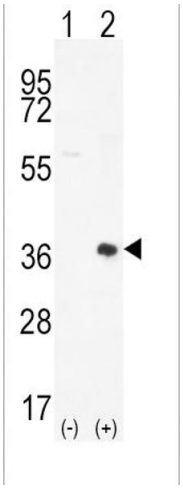
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Immunoprecipitation

Image 2. PIM proteins were immunoprecipitated from MV4,11 cells and the agarose-protein A-immunoprecipitate complex was tested for its ability to phosphorylate BAD in vitro in the presence or absence of . Phosphorylation of BAD (both on Ser112 and Ser136, detected by WB with phospho-specific antibodies) was abrogated on addition of the compound. Asterisks, strong bands corresponding to the heavy chain of the anti-PIM2 rabbit antibody recognized by the antirabbit immunoglobulin G secondary antibody. Beads alone (without anti-PIM antibodies) were incubated with the MV4,11 extract and used for the same in vitro phosphorylation reaction as a negative control.



Western Blotting

Image 3. Western blot analysis of PIM2 (arrow) using rabbit polyclonal PIM2 Antibody (ABIN392442 and ABIN2842040). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PIM2 gene.

Please check the product details page for more images. Overall 5 images are available for ABIN392442.