

Datasheet for ABIN392442
anti-PIM2 antibody (C-Term)

5 Images

1 Publication

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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.

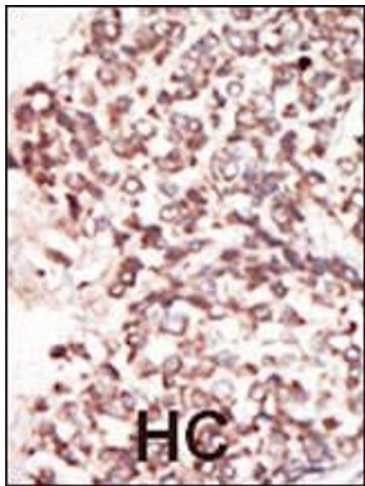
Storage: 4 °C, -20 °C

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

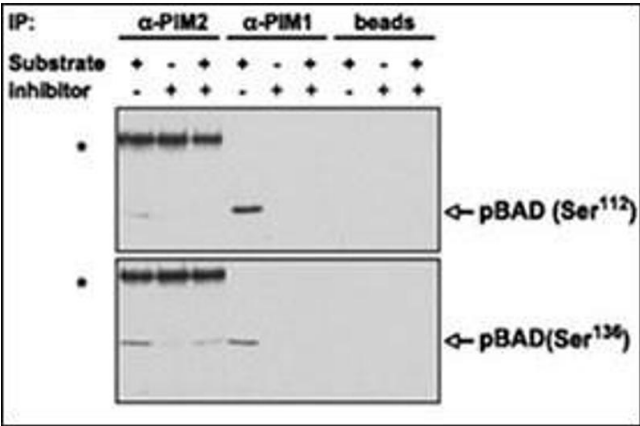
Publications

Product cited in: Chen, Hou, Fan, Jin, Wang: "Sonic hedgehog protein regulates fibroblast growth factor 8 expression in metanephric explant culture from BALB/c mice: Possible mechanisms associated with renal morphogenesis." in: **Molecular medicine reports**, Vol. 14, Issue 4, pp. 2929-36, (2017) ([PubMed](#)).



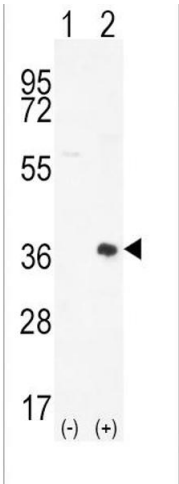
Immunohistochemistry (Paraffin-embedded Sections)

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.