

Rabbit anti-Human PIM2 Polyclonal Antibody | anti-PIM2 antibody

PIM2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289973	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

PIM2; Polyclonal Antibody; PIM2 Antibody (C-term); Serine/threonine-protein kinase pim-2; Pim-2h; anti-PIM2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.64 (varies by lot)
Sequence Positions	277-308
Sequence Length	311
Applicable Applications for anti-PIM2 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

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.

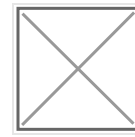


IP (Immunoprecipitation)

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 K00135. 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.

**WB (Western Blot)**

Western blot analysis of PIM2 (arrow) using rabbit polyclonal PIM2 Antibody (D292). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PIM2 gene.

**WB (Western Blot)**

Western blot analysis of anti-PIM2 Antibody (C-term) in HeLa cell line lysates (35ug/lane). PIM2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PIM2 antibody	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.
Product Categories/Family for anti-PIM2 antibody	Cancer ; Signal Transduction
References	Yan, B., et al., J. Biol. Chem. 278(46):45358-45367 (2003). Baytel, D., et al., Biochim. Biophys. Acta 1442 (2-3), 274-285 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	42821112
NCBI GeneID	11040
NCBI Accession #	NP_006866.2
NCBI GenBank Nucleotide #	NM_006875.3
UniProt Accession #	Q9P1W9 ; Q99739 ; A8K4G6
Molecular Weight	34190
NCBI Official Full Name	serine/threonine-protein kinase pim-2
NCBI Official Synonym Full Names	Pim-2 proto-oncogene, serine/threonine kinase
NCBI Official Symbol	PIM2
NCBI Protein Information	serine/threonine-protein kinase pim-2
UniProt Protein Name	Serine/threonine-protein kinase pim-2
UniProt Gene Name	PIM2
UniProt Entry Name	PIM2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pim2-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/289973>