

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

PIM2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328159	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

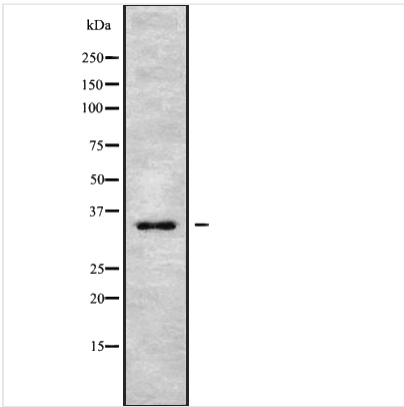
PRODUCT SYNONYMS

PIM2; Polyclonal Antibody; PIM2 Antibody; OTTHUMP00000025825; Pim 2 oncogene; Pim 2h; Pim-2h; PIM2 Oncogene; PIM2_HUMAN; Pim2h; Proto Oncogene PIM2; Proto-oncogene Pim-2 (serine threonine kinase); Serine/threonine kinase PIM2; Serine/threonine-protein kinase Pim-2; anti-PIM2 antibody

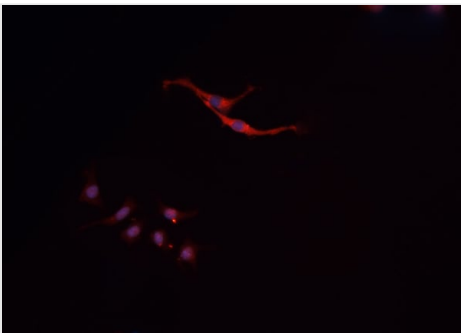
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	PIM2 antibody detects endogenous levels of total PIM2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	311
Applicable Applications for anti-PIM2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PIM2
Tissue Specificity	Highly expressed in hematopoietic tissues, in leukemic and lymphoma cell lines, testis, small intestine, colon and colorectal adenocarcinoma cells. Weakly expressed in normal liver, but highly expressed in hepatocellular carcinoma tissues.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of PIM2 using MCF7 whole cell lysates



IF (Immunofluorescence)
AAA328159 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PIM2 antibody	Function: Proto-oncogene with serine/threonine kinase activity involved in cell survival and cell proliferation. Exerts its oncogenic activity through: the regulation of MYC transcriptional activity, the regulation of cell cycle progression, the regulation of cap-dependent protein translation and through survival signaling by phosphorylation of a pro-apoptotic protein, BAD. Phosphorylation of MYC leads to an increase of MYC protein stability and thereby an increase transcriptional activity. The stabilization of MYC exerted by PIM2 might explain partly the strong synergism between these 2 oncogenes in tumorigenesis. Regulates cap-dependent protein translation in a mammalian target of rapamycin complex 1 (mTORC1)-independent manner and in parallel to the PI3K-Akt pathway. Mediates survival signaling through phosphorylation of BAD, which induces release of the anti-apoptotic protein Bcl-X(L)/BCL2L1. Promotes cell survival in response to a variety of proliferative signals via positive regulation of the I-kappa-B kinase/NF-kappa-B cascade; this process requires phosphorylation of MAP3K8/COT. Promotes growth factor-independent proliferation by phosphorylation of cell cycle factors such as CDKN1A and CDKN1B. Involved in the positive regulation of chondrocyte survival and autophagy in the epiphyseal growth plate. Subunit Structure: Interacts with MYC. Post-translational Modifications: Autophosphorylated. Similarity: Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. PIM subfamily.
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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	Observed: 34 kDa Predicted: 35 kDa
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

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-immunocytochemistry-immunofluorescence-western-blot-elisa/328159>