

Rabbit Pim-1 Polyclonal Antibody | anti-PIM1 antibody

Pim-1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321260	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Pim-1; Polyclonal Antibody; Pim-1 Antibody; Oncogene PIM 1; Oncogene PIM1; PIM 1; pim 1 kinase 44 kDa isoform; Pim 1 kinase; pim 1 oncogene (proviral integration site 1); Pim 1 oncogene; PIM; PIM1; pim1 kinase 44 kDa isoform; PIM1_HUMAN; Pim2; PIM3; Proto oncogene serine/threonine protein kinase Pim 1; Proto-oncogene serine/threonine-protein kinase Pim-1; Proviral integration site 1; Proviral integration site 2; anti-PIM1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Pim-1 antibody detects endogenous levels of Pim-1
Purity/Purification	Peptide affinity purification
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	404
Applicable Applications for anti-PIM1 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Pim-1
Subcellular Location	Cytoplasm. Nucleus and Cell Membrane.
Tissue Specificity	Expressed primarily in cells of the hematopoietic and germline lineages. Isoform 1 and isoform 2 are both expressed in prostate cancer cell lines.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
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 extracts from mouse brain, using Pim-1 Antibody. Lane 1 was treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321260 staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA321260) and mouse anti-beta-tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PIM1 antibody	Description: Pim1 a proto-oncogene serine/threonine kinase involved in cell survival and cell proliferation and thus providing a selective advantage in tumorigenesis. Exerts its oncogenic activity through: the regulation of MYC transcriptional activity, the regulation of cell cycle progression and by phosphorylation and inhibition of proapoptotic proteins (BAD, MAP3K5, FOXO3). Phosphorylation of MYC leads to an increase of MYC protein stability and thereby an increase of transcriptional activity. The stabilization of MYC exercised by PIM1 might explain partly the strong synergism between these two oncogenes in tumorigenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	342307046
NCBI GeneID	5292
NCBI Accession #	NP_001230115.1
NCBI GenBank Nucleotide #	NM_001243186.1
UniProt Accession #	P11309; Q38RT9; Q5T7H7; Q96RG3
Molecular Weight	50 kDa
NCBI Official Full Name	serine/threonine-protein kinase pim-1 isoform 1
NCBI Official Synonym Full Names	Pim-1 proto-oncogene, serine/threonine kinase
NCBI Official Symbol	PIM1
NCBI Official Synonym Symbols	PIM
NCBI Protein Information	serine/threonine-protein kinase pim-1
UniProt Protein Name	Serine/threonine-protein kinase pim-1
UniProt Gene Name	PIM1

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/pim-1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321260>