

产品名称: Pim-1 (phospho Tyr309) Rabbit Polyclonal Antibody
产品货号: APRab05248



产品概述 (Summary)

产品名称 (Production Name)	Pim-1 (phospho Tyr309) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PIM1
别名 (Alternative Names)	PIM1; Serine/threonine-protein kinase pim-1
基因 ID (Gene ID)	5292.0
蛋白 ID (SwissProt ID)	P11309.The antiserum was produced against synthesized peptide derived from human Pim-1 around the phosphorylation site of Tyr309. AA range:281-330

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	45kDa

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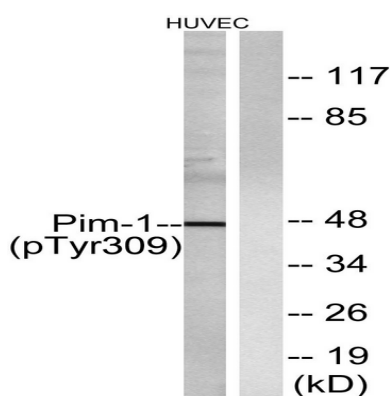
研究背景 (Background)

The protein encoded by this gene belongs to the Ser/Thr protein kinase family, and PIM subfamily. This gene is expressed primarily in B-lymphoid and myeloid cell lines, and is overexpressed in hematopoietic malignancies and in prostate cancer. It plays a role in signal transduction in blood cells, contributing to both cell proliferation and survival, and thus provides a selective advantage in tumorigenesis. Both the human and orthologous mouse genes have been reported to encode two isoforms (with preferential cellular localization) resulting from the use of alternative in-frame translation initiation codons, the upstream non-AUG (CUG) and downstream AUG codons (PMIDs:16186805, 1825810).[provided by RefSeq, Aug 2011],catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Manganese.,function:Plays a role in signal transduction in blood cells. Contributes to both cell proliferation and survival and thus provide a selective advantage in tumorigenesis. May affect the structure or silencing of chromatin by phosphorylating HP1 gamma/CBX3.,induction:Strongly induced in leukocytes by the JAK/STAT pathway in response to cytokines.,PTM:Autophosphorylated on both serine/threonine and tyrosine residues.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. PIM subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Binds to RP9. Isoform 2 is isolated as a monomer whereas isoform 1 complexes with other proteins. Isoform 1, but not isoform 2, binds BMX.,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.,

研究领域 (Research Area)

Jak_STAT;Acute myeloid leukemia;

图片 (Image Data)



Western blot analysis of lysates from HUVEC cells treated with PMA 125ng/ml 30', using Pim-1 (Phospho-Tyr309) Antibody. The lane on the right is blocked with the phospho peptide.

注意事项 (Note)

For research use only.

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