

Product Datasheet

PIM1 Antibody

Catalog No: CY5556

Reactivity: Human Mouse

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF



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Information

UniProt ID: P11309

All Names: Oncogene PIM1; PIM; pim-1 kinase 44 kDa isoform; pim-1 oncogene; pim-1 oncogene (proviral integration site 1); PIM1; Proto-oncogene serine/threonine-protein kinase pim-1;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 32 kDa

Application

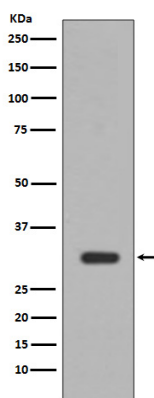
WB: 1:5000~1:10000

IHC: 1:50~1:200

ICC/IF: 1:50~1:200

Background

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 exerted by PIM1 might explain partly the strong synergism between these two oncogenes in tumorigenesis.



Western blot analysis of PIM1 expression in Jurkat cell lysate.

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