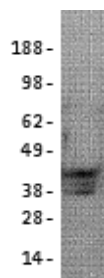


Anti-Mouse PIM-2 Purified

Catalog Number: 14-3308

Also known as: PIM2, PIM 2

RUO: For Research Use Only. Not for use in diagnostic procedures.



Immunoblotting of reduced BaF3 cell line lysate with 5 µg/mL of Anti-Mouse PIM-2 Purified. Bands were visualized using Anti-Mouse IgG HRP.

Product Information



Contents: Anti-Mouse PIM-2 Purified

Catalog Number: 14-3308

Clone: 1D12

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, kappa



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.

Batch Code: Refer to vial

Use By: Refer to vial

Description

This 1D12 monoclonal antibody reacts with mouse PIM-2, a member of a family of serine/threonine kinases. In the mouse, Pim-2 exists as three isoforms (34-, 38-, and 40-kDa) due to alternative translation initiation. Pim-2 is expressed in hematopoietic cells and overexpressed in prostate cancer, leukemia, and lymphoma. Regulated transcriptionally by the JAK/STAT pathway, Pim-2 is induced by IL-2 and IL-3. This kinase plays a role in cell survival by inhibiting the pro-apoptotic Bcl-2 family member Bad via phosphorylation and by blocking caspase-3 activation. Expression of Pim-2 has also been shown to confer rapamycin resistance in T lymphocytes.

Applications Reported

This 1D12 antibody has been reported for use in immunoblotting (WB), immunoprecipitation and immunohistochemical staining of paraffin-embedded sections.

Applications Tested

This 1D12 antibody has been tested by western blot analysis of reduced BaF3 cell lysates. This can be used at 1-10 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Yan B, Zemskova M, Holder S, Chin V, Kraft A, Koskinen PJ, Lilly M. The PIM-2 kinase phosphorylates BAD on serine 112 and reverses BAD-induced cell death. J Biol Chem. 2003 Nov 14;278(46):45358-67.

White E. The pims and outs of survival signaling: role for the Pim-2 protein kinase in the suppression of apoptosis by cytokines. Genes Dev. 2003 Aug 1;17(15):1813-6. Review.

Related Products

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)

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