**BACKGROUND**

The Pim-2 gene product (provirus integration site for Moloney murine leukemia virus), is a serine/threonine kinase that is capable of autophosphorylation. Human transcripts for Pim-2 have been detected in hematopoietic lineages as well as leukemic and lymphomc cells (K-562, HL-60, Raji, SW480, testis, small intestine and colon). Additionally, Pim-2 kinase is found at moderate levels and is distributed evenly throughout the brain. Pim-2 kinase is implicated in tumor phenotypes and may be involved in the formation and preservation of long-term potentiation (LTP), a profuse, activity-dependent enhancement of synaptic efficacy that is implicated in long-term memory.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: PIM2 (human) mapping to Xp11.23; Pim2 (mouse) mapping to X A1.1.

**SOURCE**

Pim-2 (H-73) is a rabbit polyclonal antibody raised against amino acids 244-293 mapping near the N-terminus of Pim-2 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**APPLICATIONS**

Pim-2 (H-73) is recommended for detection of Pim-2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Pim-2 (H-73) is also recommended for detection of Pim-2 in additional species, including equine, canine, bovine and porcine.

**MOLECULAR WEIGHT**

- Molecular Weight of human Pim-2 short isoform: 34 kDa.
- Molecular Weight of mouse Pim-2 short isoform: 34 kDa.
- Molecular Weight of mouse Pim-2 medium isoform: 38 kDa.
- Molecular Weight of mouse Pim-2 long isoform: 40 kDa.

**DATA**

![Western blot analysis of Pim-2 expression](image)

**SELECT PRODUCT CITATIONS**


**MONOSATISFACTION GUARANTEED**

Try Pim-2 (1D12): sc-13514 or Pim-2 (F-4): sc-271893, our highly recommended monoclonal alternatives to Pim-2 (H-73). Also, for AC, HRP, FITC, PE, Alexa Fluor® 488 and Alexa Fluor® 647 conjugates, see Pim-2 (1D12): sc-13514.