

**Mouse Pim3 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14434a****Specification**

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**Mouse Pim3 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P58750](#)**Mouse Pim3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 223775**Other Names**

Serine/threonine-protein kinase pim-3, Pim3

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Mouse Pim3 Antibody (N-term) Blocking Peptide - Protein Information****Name** Pim3**Function**

Proto-oncogene with serine/threonine kinase activity that can prevent apoptosis and promote cell survival and protein translation. May contribute to tumorigenesis through: the delivery of survival signaling through phosphorylation of BAD which induces release of the anti-apoptotic protein Bcl-X(L), the regulation of cell cycle progression and protein synthesis and by regulation of MYC transcriptional activity. Additionally to this role on tumorigenesis, can also negatively regulate insulin secretion by inhibiting the activation of MAPK1/3 (ERK1/2), through SOCS6. Involved also in the control of energy metabolism and regulation of AMPK activity in modulating MYC and PPARGC1A protein levels and cell growth.

**Cellular Location**

Cytoplasm.

**Tissue Location**

Detected in pancreas but exclusively in beta-cells.

**Mouse Pim3 Antibody (N-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **Mouse Pim3 Antibody (N-term) Blocking Peptide - Images**

#### **Mouse Pim3 Antibody (N-term) Blocking Peptide - Background**

Able to phosphorylate CDKN1B in vitro. Involved in cell cycle progression and suppression of apoptosis (By similarity).

#### **Mouse Pim3 Antibody (N-term) Blocking Peptide - References**

Lin, Y.W., et al. Blood 115(4):824-833(2010)Zhang, P., et al. J. Cell. Physiol. 220(1):82-90(2009)Wood, N.T., et al. FEBS Lett. 583(4):615-620(2009)Chen, J.L., et al. Blood 111(3):1677-1685(2008)Aksoy, I., et al. Stem Cells 25(12):2996-3004(2007)