

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

Mouse Pim3 Antibody (N-term) Blocking Peptide - Product InformationPrimary 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)