

MAFA Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16148b**Specification**

MAFA Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q8NHW3](#)**MAFA Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 389692**Other Names**

Transcription factor MafA, Pancreatic beta-cell-specific transcriptional activator, Transcription factor RIPE3b1, V-maf musculoaponeurotic fibrosarcoma oncogene homolog A, MAFA

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.

MAFA Antibody (C-term) Blocking Peptide - Protein Information**Name** MAFA**Function**

Transcription factor that activates insulin gene expression (PubMed:15993959, PubMed:12011435). Acts synergistically with NEUROD1/BETA2 and PDX1 (PubMed:15993959). Binds the insulin enhancer C1/RIPE3b element (PubMed:12011435). Binds to consensus TRE-type MARE 5'-TGCTGACTCAGCA-3' DNA sequence (PubMed:23148532, PubMed:29339498).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00978, ECO:0000269|PubMed:12011435, ECO:0000269|PubMed:12917329}

Tissue Location

Expressed in the islets of Langerhans (at protein level).

MAFA Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MAFA Antibody (C-term) Blocking Peptide - Images

MAFA Antibody (C-term) Blocking Peptide - Background

MAFA is a transcription factor that binds RIPE3b, a conserved enhancer element that regulates pancreatic beta-cell-specific expression of the insulin gene (INS; MIM 176730) (Olbro et al., 2002 [PubMed 12011435]).

MAFA Antibody (C-term) Blocking Peptide - References

Lecoin, L., et al. Dev Neurobiol 70(7):485-497(2010) Guo, S., et al. J. Biol. Chem. 285(17):12655-12661(2010) Kondo, T., et al. Mol. Endocrinol. 23(8):1281-1290(2009) Kaneto, H., et al. Adv. Drug Deliv. Rev. 61 (7-8), 489-496 (2009) :Garin, I., et al. Diabet. Med. 26(7):746-748(2009)