

MAFA Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16148b

Specification

MAFA Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q8NHW3
Other Accession	Q8CF90 , NP_963883.2 , D3ZNT6
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	286-315

MAFA Antibody (C-term) - 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

Target/Specificity

This MAFA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 286-315 amino acids from the C-terminal region of human MAFA.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MAFA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MAFA Antibody (C-term) - 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

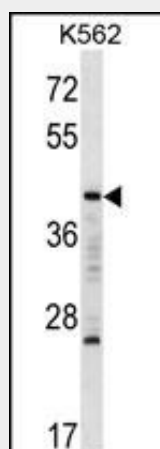
Expressed in the islets of Langerhans (at protein level).

MAFA Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MAFA Antibody (C-term) - Images



MAFA Antibody (C-term) (Cat. #AP16148b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the MAFa antibody detected the MAFa protein (arrow).

MAFA Antibody (C-term) - 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) - 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)