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MAFA Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9440c

Specification

MAFA Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q8NHW3
Other Accession	Q8CF90
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**36982**
Antigen Region	**203-231**

MAFA Antibody (Center) - 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 203-231 amino acids from the Central 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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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 (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MAFA Antibody (Center) - 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}

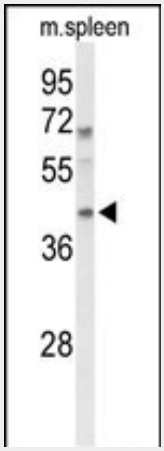
Tissue Location
Expressed in the islets of Langerhans (at protein level).

MAFA Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MAFA Antibody (Center) - Images



Western blot analysis of MAFA Antibody (Center) (Cat. #AP9440c) in mouse spleen tissue lysates (35ug/lane). MAFA (arrow) was detected using the purified Pab.

MAFA Antibody (Center) - Background

MAFA is a transcription factor that binds RIPE3b, a conserved enhancer element that regulates pancreatic beta cell-specific expression of the insulin gene.

MAFA Antibody (Center) - References

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)
Vanderford, N.L., et al. Arch. Biochem. Biophys. 480(2):138-142(2008)

Martin, C.C., et al. J. Mol. Endocrinol. 41(5):315-328(2008)