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MAFF Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP6837c

Specification

MAFF Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9ULX9

MAFF Antibody (Center) Blocking Peptide - Additional Information

Gene ID 23764

Other Names
Transcription factor MafF, U-Maf, V-maf musculoaponeurotic fibrosarcoma oncogene homolog F, MAFF

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6837c was selected from the Center region of human MAFF. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

MAFF Antibody (Center) Blocking Peptide - Protein Information

Name MAFF

Function
Since they lack a putative transactivation domain, the small Mafs behave as transcriptional repressors when they dimerize among themselves (PubMed:8932385). However, they seem to serve as transcriptional activators by dimerizing with other (usually larger) basic-zipper proteins, such as NFE2L1/NRF1, and recruiting them to specific DNA-binding sites. Interacts with the upstream promoter region of the oxytocin receptor gene (PubMed:8932385, PubMed:16549056). May be a transcriptional enhancer in the up-regulation of the oxytocin receptor gene at parturition (PubMed:10527846).

Cellular Location
Nucleus.

Tissue Location
Expressed in the term myometrium and kidney.

MAFF Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

MAFF Antibody (Center) Blocking Peptide - Images

MAFF Antibody (Center) Blocking Peptide - Background

MAFF is a basic leucine zipper (bZIP) transcription factor that lacks a transactivation domain. It is known to bind the US-2 DNA element in the promoter of the oxytocin receptor (OTR) gene and most likely heterodimerizes with other leucine zipper-containing proteins to enhance expression of the OTR gene during term pregnancy. This protein can also form homodimers, and since it lacks a transactivation domain, the homodimer may act as a repressor of transcription.

MAFF Antibody (Center) Blocking Peptide - References

Kataoka,K., et.al., J. Biol. Chem. 276 (1), 819-826 (2001)