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MAFF Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6837C

Product Information

Application	IHC-P, WB, E
Primary Accession	Q9ULX9
Other Accession	O54791, A7YY73
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB20601
Calculated MW	17760
Antigen Region	66-92

Additional Information

Gene ID	23764
Other Names	Transcription factor MafF, U-Maf, V-maf musculoaponeurotic fibrosarcoma oncogene homolog F, MAFF
Target/Specificity	This MAFF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-92 amino acids from the Central region of human MAFF.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
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	MAFF Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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:16549056, PubMed:8932385). 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.

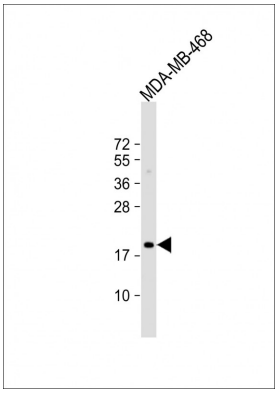
Background

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.

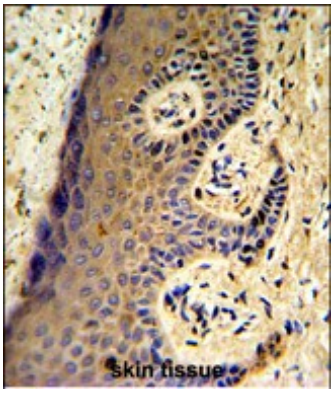
References

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

Images



Anti-MAFF Antibody (Center) at 1:1000 dilution + MDA-MB-468 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 18 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human skin reacted with MAFF Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.