

For Research Use Only

# MAFF Polyclonal antibody

Catalog Number: 12771-1-AP

Featured Product

9 Publications



## Basic Information

<b>Catalog Number:</b> 12771-1-AP	<b>GenBank Accession Number:</b> BC015037	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23764	<b>Recommended Dilutions:</b> WB 1:500-1:2400 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian)	<b>IHC 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 17 aa, 8 kDa	
<b>Immunogen Catalog Number:</b> AG3460	<b>Observed MW:</b> 18-23 kDa	

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Cited Applications:

CoIP, IF, IHC, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : human lung tissue,

IP : SKOV-3 cells,

IHC : human ovary tumor tissue, human lung cancer tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

MAFF encodes a basic region and leucine zipper (bZIP)-type transcription factor protein (PMID: 8361754). MAFF interacts with the upstream promoter region of oxytocin receptor (OXTR) and plays a role in OXTR upregulation (PubMed: 7798245, PubMed:10527846). Mice lacking MAFF, MAFG and MAFK are embryonic lethal (PMID: 22158967). MAFF has a higher expression in adipose, colon, lung, prostate and skeletal muscle tissues (PMID: 24304889).

## Notable Publications

Author	Pubmed ID	Journal	Application
Masahiro Okabe	30379099	Am J Physiol Renal Physiol	IF
Tianwei Chen	36453019	Mol Oncol	WB
Shuyuan Shen	32322670	Mol Ther Oncolytics	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

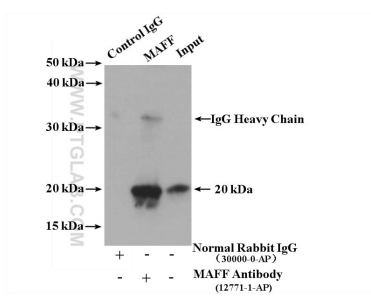
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com  
W: ptglab.com

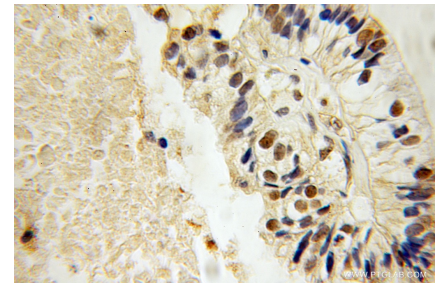
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data

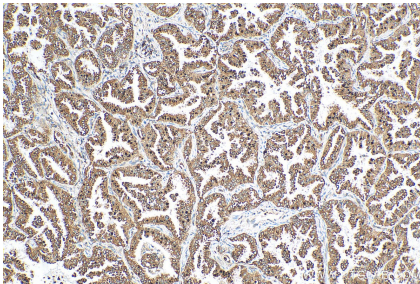


IP result of anti-MAFF (IP:12771-1-AP, 4 $\mu$ g; Detection:12771-1-AP 1:500) with SKOV-3 cells lysate 3200  $\mu$ g.

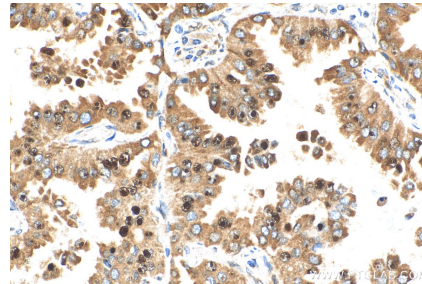
human lung tissue were subjected to SDS PAGE followed by western blot with 12771-1-AP (MAFF antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 12771-1-AP (MAFF antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12771-1-AP (MAFF antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12771-1-AP (MAFF antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).