

For Research Use Only

# MFI2 Polyclonal antibody

Catalog Number: 10428-1-AP

3 Publications



## Basic Information

### Catalog Number:

10428-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 320 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0700

### GenBank Accession Number:

BC001875

### GeneID (NCBI):

4241

### UNIPROT ID:

P08582

### Full Name:

antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5

### Calculated MW:

80 kDa

### Observed MW:

82 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : HEK-293 cells, HeLa cells, Transfected

IHC : human ovary 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

MFI2 (Melanotransferrin/Mtf/TRMF), also known as p97 or CD228, is an iron-binding glycoprotein belonging to the transferrin family. Alternative RNA splicing yields two forms of different length transcripts, one (the longer) bound to the membrane (mMFI2) and the other (the shorter) secreted to the peripheral environment (sMFI2) such as blood and cell supernatant. MFI2 is upregulated in tumor tissues and has been identified as a serological marker of colorectal cancer (PMID: 25216327).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yanhong Mao	36303086	Reprod Sci	WB,IF
Ping Yin	34907172	Cell Death Discov	WB
Jianfeng Shu	37583701	Front Immunol	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

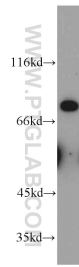
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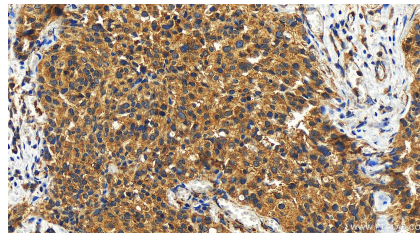
E: proteintech@ptglab.com  
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## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10428-1-AP (MF12 antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 10428-1-AP (MF12 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).