

# ORM2-Specific Monoclonal antibody

Catalog Number: 66217-1-Ig

## Basic Information

<b>Catalog Number:</b> 66217-1-Ig	<b>GenBank Accession Number:</b> BC015964	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1500 µg/ml	<b>GeneID (NCBI):</b> 5005	<b>CloneNo.:</b> 4E9H10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P19652	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:500-1:2000 IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> orosomucoid 2	
<b>Immunogen Catalog Number:</b> AG18984	<b>Calculated MW:</b> 24 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

**Tested Applications:**  
IF/ICC, IHC, WB, ELISA

**Species Specificity:**  
human

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

**Positive Controls:**

**WB:** human plasma tissue, A549 cells

**IHC:** human liver cancer tissue, human colon cancer tissue

**IF:** HepG2 cells,

## Background Information

ORM2, also named as AGP2 and OMD 2, belongs to the calycin superfamily and Lipocalin family. It functions as transport protein in the blood stream. ORM2 binds various hydrophobic ligands in the interior of its beta-barrel domain. It also binds synthetic drugs and influences their distribution and availability. ORM2 appears to function in modulating the activity of the immune system during the acute-phase reaction. ORM2 is one of the conserved endoplasmic reticulum membrane proteins which regulating lipid homeostasis and protein quality control. This antibody can specially recognize ORM2. It recognizes a band about 45 kDa in human plasma which may be due to the glycosylation of ORM2 or the dimer formation of the protein.

## 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

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

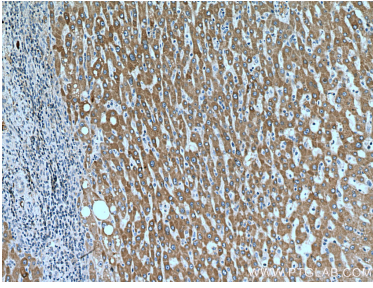
T: 4006900926

E: Proteintech-CN@ptglab.com

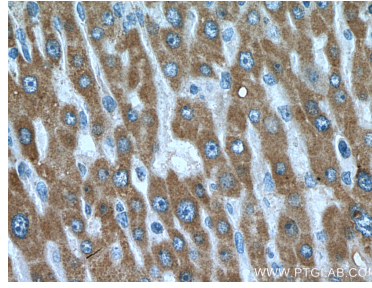
W: ptgcn.com

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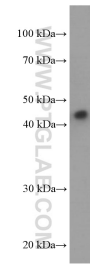
## Selected Validation Data



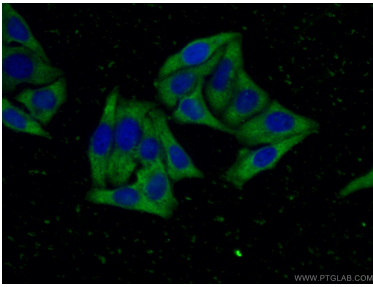
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66217-1-Ig (ORM2-Specific antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66217-1-Ig (ORM2-Specific antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



human plasma were subjected to SDS PAGE followed by western blot with 66217-1-Ig (ORM2-Specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66217-1-Ig(ORM2-Specific antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).