

For Research Use Only

ORM1/2 Monoclonal antibody, PBS Only



Catalog Number: 66097-1-PBS

Basic Information

Catalog Number:

66097-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG19248

GenBank Accession Number:

BC026238

GeneID (NCBI):

5004

UNIPROT ID:

P02763

Full Name:

orosomucoid 1

Calculated MW:

201 aa, 24 kDa

Observed MW:

40-47 kDa

Purification Method:

Protein A purification

CloneNo.:

5F2H7

Applications

Tested Applications:

WB, IF, IHC, Indirect ELISA

Species Specificity:

human

Background Information

Alpha-1-acid glycoprotein 1 (AGP1), also called orosomucoid-1 (ORM1), is a glycoprotein synthesized mostly by hepatocytes and present in human plasma. ORM1 is an acute-phase reactant protein controlled by glucocorticoids, interleukin-1 and interleukin-6, and increase up to 5-50 times upon infection and/or inflammation. Anti-apoptotic effect and role as immunomodulator of ORM have been reported. ORM is an important carrier for synthetic drugs and influences their distribution and availability in the body. This antibody recognizes a band about 44 kDa in human plasma which may be due to the glycosylation of ORM1 or the dimer formation of the protein. This antibody recognizes both ORM1 and ORM2.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

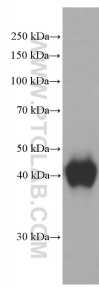
T: 4006900926

E: Proteintech-CN@ptglab.com

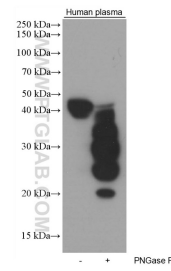
W: ptgcn.com

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

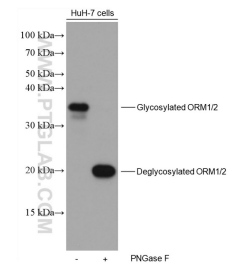
Selected Validation Data



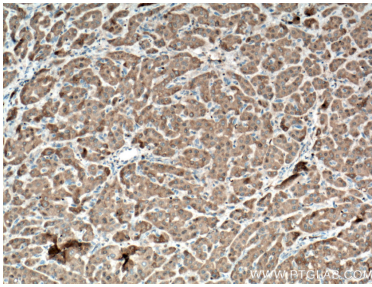
0.8 μ L human plasma were subjected to SDS PAGE followed by western blot with 66097-1-Ig (ORM1/2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66097-1-PBS in a different storage buffer formulation.



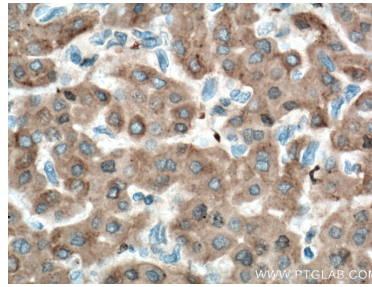
Untreated and PNGase F-treated lysates of human plasma were subjected to SDS PAGE followed by western blot with 66097-1-Ig (ORM1/2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808). This data was developed using the same antibody clone with 66097-1-PBS in a different storage buffer formulation.



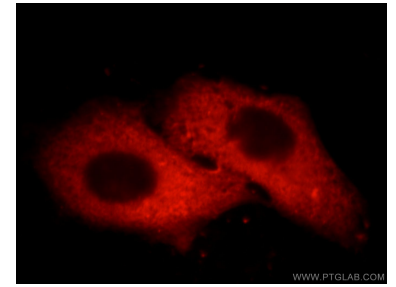
Untreated and PNGase F-treated lysates of HuH-7 cells were subjected to SDS PAGE followed by western blot with 66097-1-Ig (ORM1/2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808). This data was developed using the same antibody clone with 66097-1-PBS in a different storage buffer formulation.



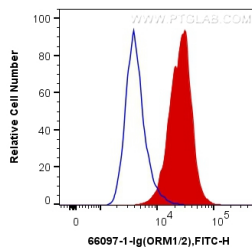
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66097-1-Ig (ORM1/2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66097-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66097-1-Ig (ORM1/2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66097-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of () fixed HepG2 cells using 66097-1-Ig (ORM1/2 antibody) at dilution of 1:25. This data was developed using the same antibody clone with 66097-1-PBS in a different storage buffer formulation.



1X10⁶ HepG2 cells were intracellularly stained with 0.2 μ g Anti-Human ORM1/2 (66097-1-Ig, Clone:5F2H7) and CoraLite[®]488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 66097-1-PBS in a different storage buffer formulation.