

For Research Use Only

CYP4F12 Polyclonal antibody, PBS Only

Catalog Number: 13243-1-PBS



Basic Information

Catalog Number:

13243-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3957

GenBank Accession Number:

BC035350

GeneID (NCBI):

66002

UNIPROT ID:

Q9HCS2

Full Name:

cytochrome P450, family 4, subfamily F, polypeptide 12

Calculated MW:

524 aa, 60 kDa

Observed MW:

50-60 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

CYP4F12 (Cytochrome P450 4F12) Catalyzes leukotriene B4 omega-hydroxylation and arachidonic acid omega-hydroxylation but with an activity much lower than that of CYP4F2. It expresses a band of 60kDa in adult and fetal liver, kidney, placenta at term, seminal vesicles, and the prostate gland (PMID:15078342). And it can be phosphorylated in vivo (PMID:18828626).

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, pH7.3

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

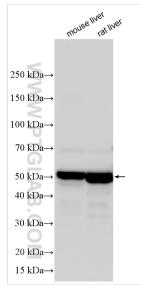
T: 4006900926

E: Proteintech-CN@ptglab.com

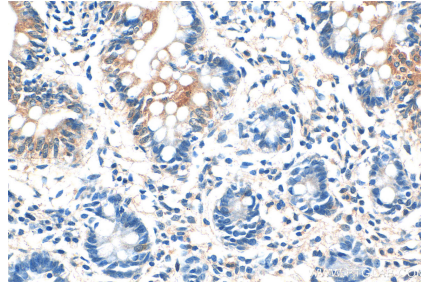
W: ptgcn.com

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

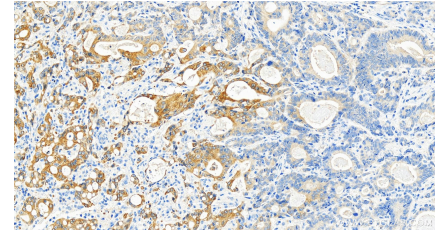
Selected Validation Data



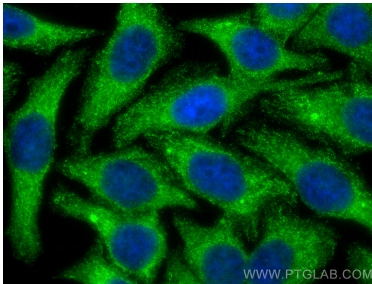
Various lysates were subjected to SDS PAGE followed by western blot with 13243-1-AP (CYP4F12 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 13243-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 13243-1-AP (CYP4F12 antibody) at dilution of 1:500 (under 40x lens). This data was developed using the same antibody clone with 13243-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 13243-1-AP (CYP4F12 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13243-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CYP4F12 antibody (13243-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 13243-1-PBS in a different storage buffer formulation.