For Research Use Only

CYP2C8/9/18/19 Polyclonal antibody

Catalog Number:16546-1-AP 36 Publications

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Basic Information

Catalog Number:
16546-1-AP

Size:
150ul , Concentration: 600 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG9898

GenBank Accession Number:
BC020596

GeneID (NCBI):
1558

UNIPROT ID:
P10632

Full Name:
cytochrome P450, family 2, subfamily C, polypeptide 8

Calculated MW:
490 aa, 56 kDa

Observed MW:
50 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:2000-1:10000
IHC: 1:300-1:1200

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

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 : mouse liver tissue, rat liver tissue

IHC : human liver cancer tissue,

Background Information

CYP2C8(Cytochrome P450 2C8) is also named as CYPIIC8, cytochrome P450 IIC2, cytochrome P450 MP-12, cytochrome P450 MP-20, cytochrome P450 form 1 and S-mephenytoin 4-hydroxylase. It belongs to the cytochrome P450 family. It is a monooxygenase involved in an NADPH-dependent electron transport pathway and a hepatic drug-metabolizing enzymes that oxidizes therapeutic drugs such as cerivastatin and endobiotics such as retinoic acid and arachidonic acid. It has 2 isoforms produced by alternative splicing. This antibody can recognize human CYP2C 8/9/18/19, mouse CYP2C 29/37/38/39/55/65/, rat CYP2C6/7/11/12/13/23 due to the high homology.

Notable Publications

Author	Pubmed ID	Journal	Application
Chengming Wen	34575568	Pharmaceutics	WB
Tingbo Ye	35677150	Front Oncol	IHC
Min Chen	32118505	Xenobiotica	WB

Storage

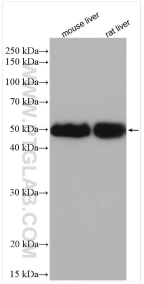
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

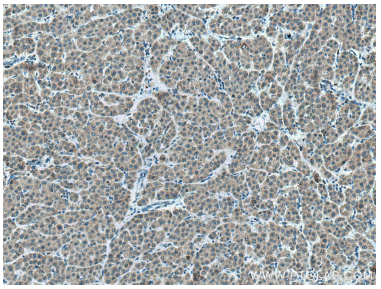
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

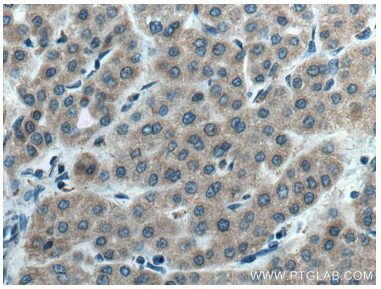
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16546-1-AP (CYP2C8/9/18/19 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16546-1-AP (CYP2C8/9/18/19 antibody) at dilution of 1:600 (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 16546-1-AP (CYP2C8/9/18/19 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).