

For Research Use Only

CYP2C8/9/18/19 Polyclonal antibody

Catalog Number: 16546-1-AP

22 Publications



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

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 CYP11C8, cytochrome P450 11C2, 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

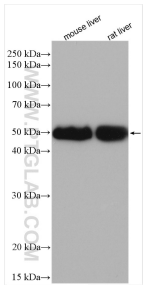
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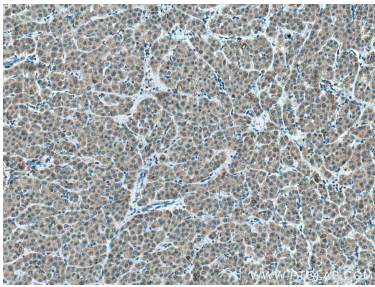
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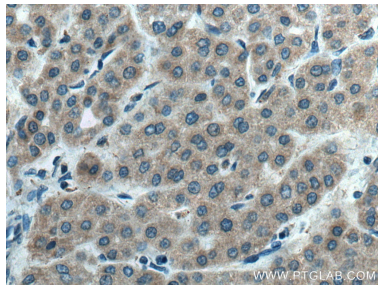
Selected Validation Data



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).