

CYP2C8/9/18/19 Polyclonal antibody

Catalog Number: 16546-1-AP

16 Publications

Basic Information

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| Catalog Number: 16546-1-AP | GenBank Accession Number: BC020596 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 1558 | Recommended Dilutions: WB 1:2000-1:10000 IHC 1:300-1:1200 |
| Source: Rabbit | Full Name: cytochrome P450, family 2, subfamily C, polypeptide 8 | |
| Isotype: IgG | Calculated MW: 490 aa, 56 kDa | |
| Immunogen Catalog Number: AG9898 | Observed MW: 50 kDa | |

Applications

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| Tested Applications: IHC, WB, ELISA | Positive Controls: |
| Cited Applications: IHC, WB | WB : mouse liver tissue, rat liver tissue |
| Species Specificity: human, mouse, rat | IHC : human liver cancer tissue, |
| Cited Species: human, rat, mouse | |

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

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

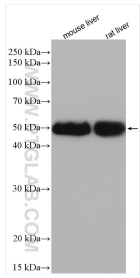
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
 Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

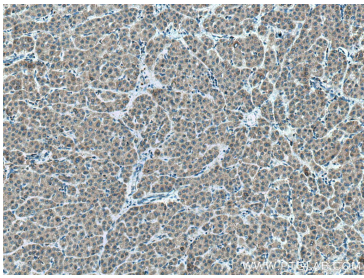
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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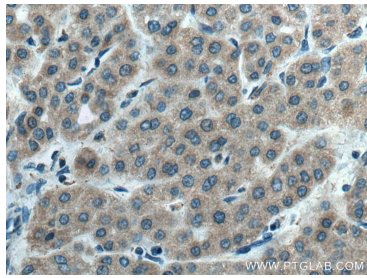
Selected Validation Data



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).