

For Research Use Only

# CYP2C9 Polyclonal antibody

Catalog Number: 16355-1-AP



## Basic Information

<b>Catalog Number:</b> 16355-1-AP	<b>GenBank Accession Number:</b> BC020754	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1559	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> cytochrome P450, family 2, subfamily C, polypeptide 9	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 162aa, 18 kDa; 490aa, 56 kDa	
<b>Immunogen Catalog Number:</b> AG9566	<b>Observed MW:</b> 50-55 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> mouse liver tissue, SMMC-7721 cells, rat liver tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human liver tissue,

## Background Information

CYP2C9 (Cytochrome P450 Family 2 Subfamily C Member 9) is a crucial cytochrome P450 enzyme, which plays a significant role in the metabolism, by oxidation, of both xenobiotic and endogenous compounds. CYP2C9 is primarily expressed in the liver, and the expression level is reported to be the second highest among CYP isoforms (PMID: 20150829).

## Storage

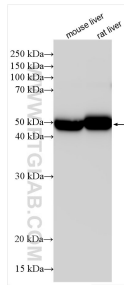
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

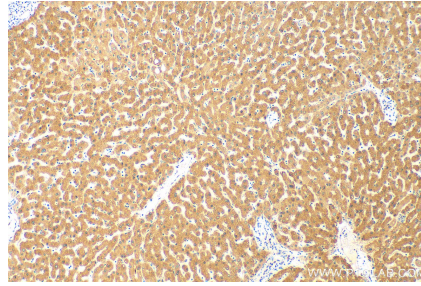
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

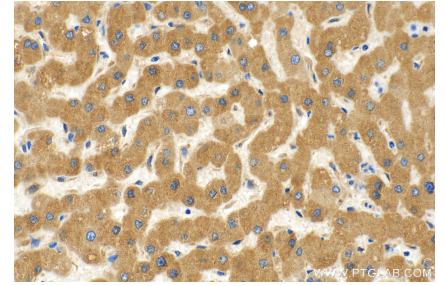
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16355-1-AP (CYP2C9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 16355-1-AP (CYP2C9 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 16355-1-AP (CYP2C9 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).