

For Research Use Only

# CYP2D6/7 Polyclonal antibody

Catalog Number: 17868-1-AP **8 Publications**



## Basic Information

<b>Catalog Number:</b> 17868-1-AP	<b>GenBank Accession Number:</b> BC075023	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 400 ug/ml by Nanodrop and 353 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1565	<b>Recommended Dilutions:</b> WB 1:2000-1:12000 IHC 1:200-1:600
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P10635	
<b>Isotype:</b> IgG	<b>Full Name:</b> cytochrome P450, family 2, subfamily D, polypeptide 6	
<b>Immunogen Catalog Number:</b> AG12351	<b>Calculated MW:</b> 497 aa, 56 kDa	
	<b>Observed MW:</b> 48-56 kDa	

## 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, human liver tissue, human kidney tissue

## Background Information

CYP2D6 (Cytochrome P450 2D6) is also named as CYP2DL1 and belongs to the cytochrome P450 family. It is a monooxygenase that involved in the metabolism of drugs such as antiarrhythmics, adrenoceptor antagonists, and tricyclic antidepressants. CYP2D6 is responsible for the metabolism of many drugs and environmental chemicals that it oxidizes. It has 2 isoforms produced by alternative splicing with the molecular weight of 56 kDa and 50 kDa. This antibody can recognize human CYP2D6/7, mouse CYP2D3/4/9/10/22/26, rat CYP2D1/3/4/10/26, due to the high homology.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhenyu Wang	31588244	Theranostics	IHC
Hongfang Li	33273809	Drug Des Devel Ther	WB
Congcong Yu	32393428	Pharmazie	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**

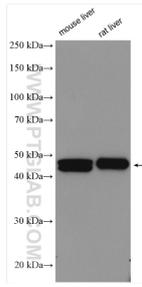
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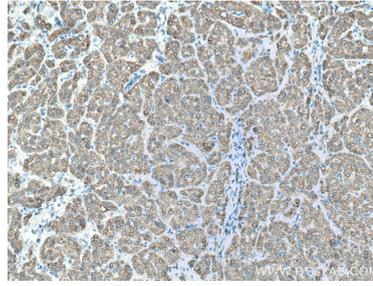
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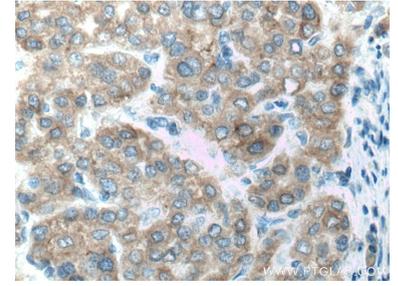
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17868-1-AP (CYP2D6/7 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17868-1-AP (CYP2D6 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 17868-1-AP (CYP2D6 antibody) at dilution of 1:600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).