

For Research Use Only

# CYP2J2 Polyclonal antibody

Catalog Number: 13562-1-AP **5 Publications**



## Basic Information

<b>Catalog Number:</b> 13562-1-AP	<b>GenBank Accession Number:</b> BC032594	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1573	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P51589	
<b>Isotype:</b> IgG	<b>Full Name:</b> cytochrome P450, family 2, subfamily J, polypeptide 2	
<b>Immunogen Catalog Number:</b> AG4435	<b>Calculated MW:</b> 502 aa, 58 kDa	
	<b>Observed MW:</b> 58-65 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IF, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, 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:** HUVEC cells, L02 cells, mouse skeletal muscle tissue, mouse heart tissue, HepG2 cells, rat heart tissue

**IHC:** human liver tissue, mouse heart tissue, human liver cancer tissue, human heart tissue

## Background Information

CYP2J2(Cytochrome P450 2J2) belongs to the cytochrome P450 family. This enzyme metabolizes arachidonic acid predominantly via a NADPH-dependent olefin epoxidation to all four regioisomeric cis-epoxyeicosatrienoic acids. The human CYP2J member, CYP2J2, is shown to be expressed in several tissues such as the small intestine, liver, heart, kidney, and lung and may play a role in the oxidative bioactivation of arachidonic acid(PMID:12386130).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xuming Yu	31671426	Pharmacology	WB
Ning Xu	35659036	J Hematol Oncol	IHC
Ye Zhu	31954161	Life Sci	WB,IHC,IF

## 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**

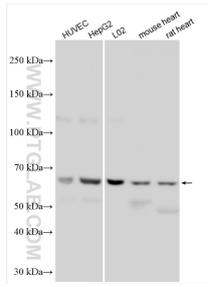
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

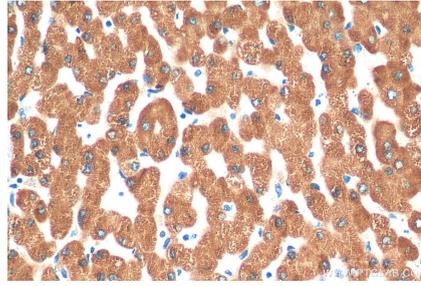
E: proteintech@ptglab.com  
W: ptglab.com

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

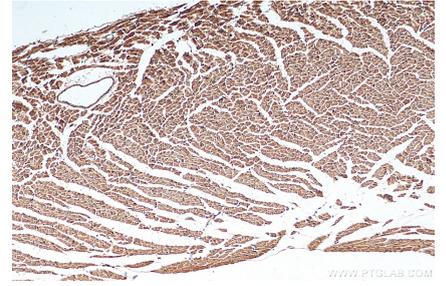
## Selected Validation Data



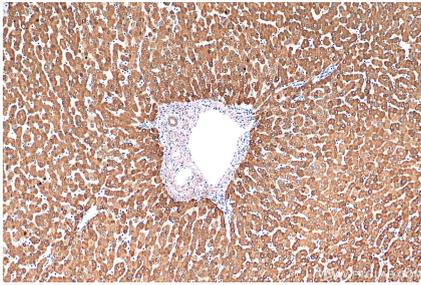
Various lysates were subjected to SDS PAGE followed by western blot with 13562-1-AP (CYP2J2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



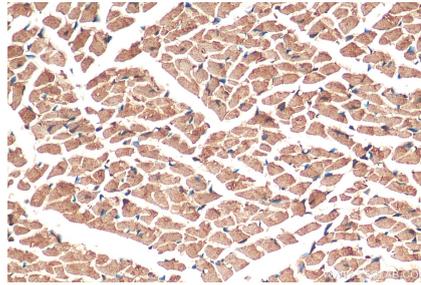
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 13562-1-AP (CYP2J2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 13562-1-AP (CYP2J2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 13562-1-AP (CYP2J2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 13562-1-AP (CYP2J2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).