

For Research Use Only

CYP2J2 Polyclonal antibody

Catalog Number: 13562-1-AP

5 Publications



Basic Information

Catalog Number:

13562-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4435

GenBank Accession Number:

BC032594

GeneID (NCBI):

1573

UNIPROT ID:

P51589

Full Name:

cytochrome P450, family 2, subfamily J, polypeptide 2

Calculated MW:

502 aa, 58 kDa

Observed MW:

58-65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:50-1:500

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

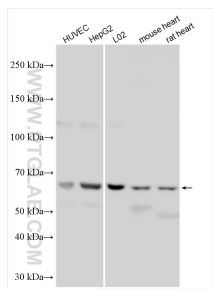
For technical support and original validation data for this product please contact:

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

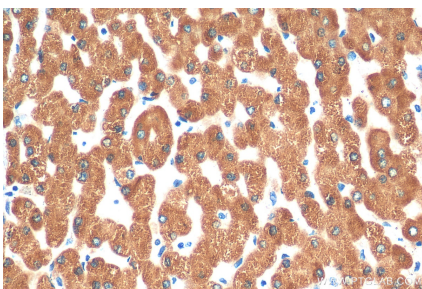
E: proteintech@ptglab.com
W: ptglab.com

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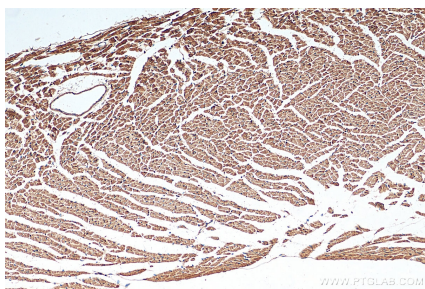
Selected Validation Data



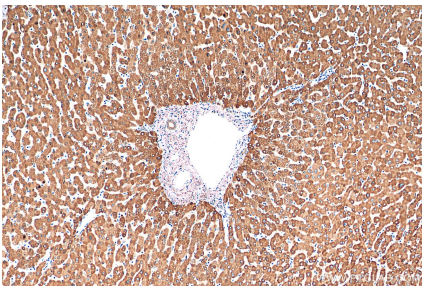
Various lysates were subjected to SDS PAGE followed by western blot with 13562-1-AP (CYP2J2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



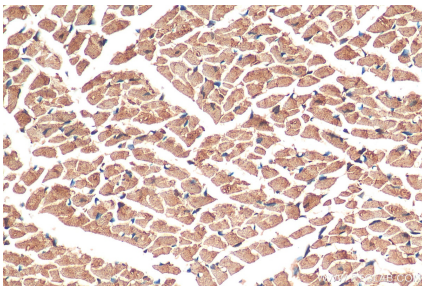
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 13562-1-AP (CYP2J2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).