

For Research Use Only

Cytochrome P450 Reductase Polyclonal antibody



Catalog Number: 29814-1-AP

Featured Product

1 Publications

Basic Information

Catalog Number:

29814-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30899

GenBank Accession Number:

NM_000941

GeneID (NCBI):

5447

UNIPROT ID:

P16435

Full Name:

P450 (cytochrome) oxidoreductase

Calculated MW:

77 kDa

Observed MW:

77 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:1500-1:6000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

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 : human placenta tissue, HepG2 cells, mouse liver tissue, rat liver tissue

IHC : mouse kidney tissue, rat kidney tissue

Background Information

Cytochrome P450 Reductase (CYPOR) consists of the flavin mononucleotide (FMN) domain and the flavin adenine dinucleotide (FAD) domain, which bind the corresponding cofactors and transfer electrons from NADPH via FAD and FMN (PMID: 33498551). CYPOR is an essential component of the microsomal P450 mixed-function oxidase system and is required for electron transfer from NADPH to cytochromes P450 in microsomes. The calculated molecular weight of CYPOR is 77 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Liting Cheng	39474068	iScience	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

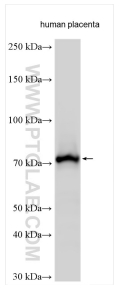
For technical support and original validation data for this product please contact:

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

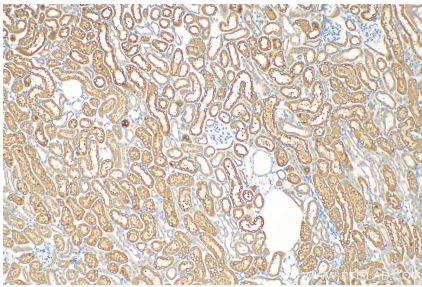
E: proteintech@ptglab.com
W: ptglab.com

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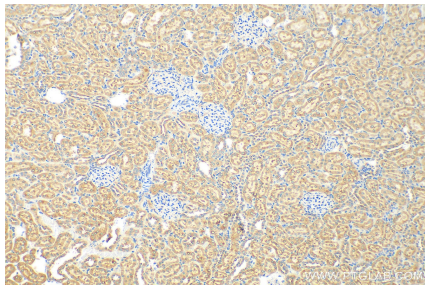
Selected Validation Data



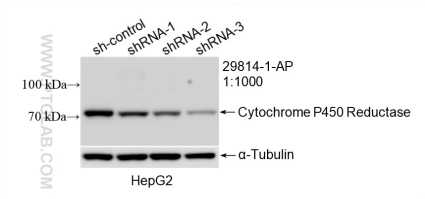
Human placenta tissue were subjected to SDS PAGE followed by western blot with 29814-1-AP (Cytochrome P450 Reductase antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 29814-1-AP (Cytochrome P450 Reductase antibody) at dilution of 1:3000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 29814-1-AP (Cytochrome P450 Reductase antibody) at dilution of 1:3000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of Cytochrome P450 Reductase antibody (29814-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Cytochrome P450 Reductase transfected HepG2 cells.