

For Research Use Only

Cytochrome P450 Reductase Polyclonal antibody



Catalog Number: 29814-1-AP

Featured Product

Basic Information

Catalog Number: 29814-1-AP	GenBank Accession Number: NM_000941	Purification Method: Antigen affinity purification
Size: 500 ug/ml	GeneID (NCBI): 5447	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:1500-1:6000
Source: Rabbit	UNIPROT ID: P16435	
Isotype: IgG	Full Name: P450 (cytochrome) oxidoreductase	
Immunogen Catalog Number: AG30899	Calculated MW: 77 kDa	
	Observed MW: 77 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
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: 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.

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

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

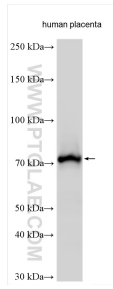
T: 4006900926

E: Proteintech-CN@ptglab.com

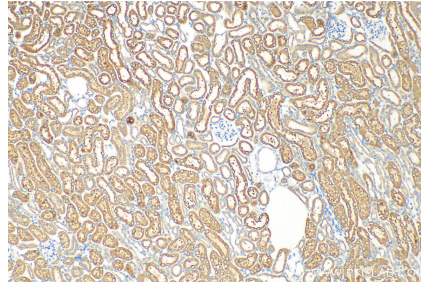
W: ptgcn.com

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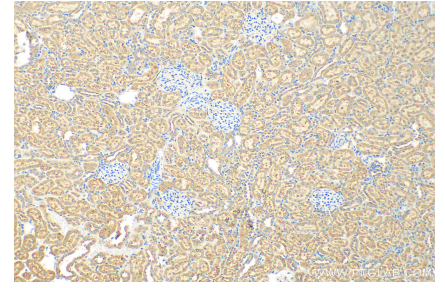
Selected Validation Data



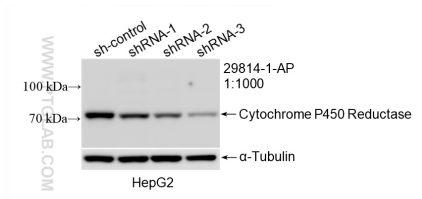
Human placenta tissue were subjected to SDS PAGE followed by western blot with 29814-1-AP (Cytochrome P450 Reductase antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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.