

For Research Use Only

PHYH Polyclonal antibody

Catalog Number: 12858-1-AP **5 Publications**



Basic Information

Catalog Number: 12858-1-AP	GenBank Accession Number: BC029512	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 5264	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: O14832	
Isotype: IgG	Full Name: phytanoyl-CoA 2-hydroxylase	
Immunogen Catalog Number: AG3569	Calculated MW: 39 kDa	
	Observed MW: 36 kDa, 70 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : human liver tissue, HEK-293 cells, human kidney tissue, Jurkat cells IHC : human kidney tissue,
Cited Applications: WB, IHC	
Species Specificity: human, mouse, rat	
Cited Species: rat, mouse, pig	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

PHYH (Phytanoyl-CoA 2-hydroxylase), also known as Phytanic acid oxidase or Phytanoyl-CoA alpha-hydroxylase, is a peroxisomal enzyme which converts phytanoyl-CoA to 2-hydroxyphytanoyl-CoA. It catalyzes the first step in the alpha-oxidation of phytanic acid, a branched-chain fatty acid. Mutations in this gene can cause Refsum disease (RD) and deficient protein activity can cause Zellweger syndrome and rhizomelic chondrodysplasia punctata. This antibody (12858-1-AP) detects two bands: 36kd and 70kd. The 70kd band may probably be the dimeric form of PHYH.

Notable Publications

Author	Pubmed ID	Journal	Application
Hao-Long Zeng	29254222	Oncotarget	WB
Xiaorui Yao	29031784	J Ethnopharmacol	WB
Haodong Chen	34059707	Sci Rep	WB

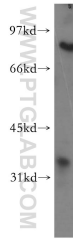
Storage

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

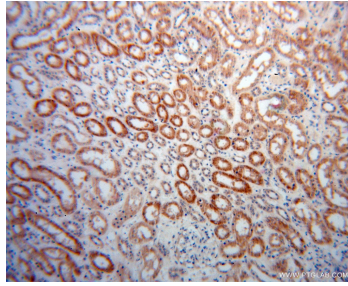
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

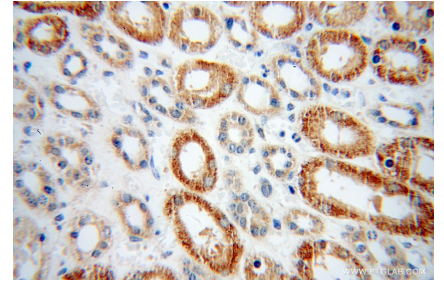
Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 12858-1-AP (PHYH antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 12858-1-AP (PHYH antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 12858-1-AP (PHYH antibody) at dilution of 1:50 (under 40x lens).