

For Research Use Only

CYP27A1 Polyclonal antibody

Catalog Number: 14739-1-AP **17 Publications**



Basic Information

Catalog Number: 14739-1-AP	GenBank Accession Number: BC051851	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 1593	Recommended Dilutions: WB 1:500-1:1000 IHC 1:100-1:400
Source: Rabbit	UNIPROT ID: Q02318	
Isotype: IgG	Full Name: cytochrome P450, family 27, subfamily A, polypeptide 1	
Immunogen Catalog Number: AG6408	Calculated MW: 60 kDa	
	Observed MW: 60-65 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse liver tissue, NIH/3T3 cells IHC : human liver cancer tissue, human liver tissue
Cited Applications: WB, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human, chicken, rat, mouse, rabbit, 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

Mitochondrial sterol 27-hydroxylase (CYP27A1) catalyzes oxidative cleavage of the sterol side chain in the bile acid biosynthetic pathway in the liver and 27-hydroxylation of cholesterol in most tissues (PMID:17088262). It belongs to the cytochrome P450 family. CYP27A1 catalyses an important sterol elimination pathway in the macrophage, and consequently may protect against atherosclerosis.

Notable Publications

Author	Pubmed ID	Journal	Application
Demin Cai	27763549	Nutrients	WB
Xiaodong Wei	33113499	Phytomedicine	WB
Sisi Yan	35587527	J Agric Food Chem	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:

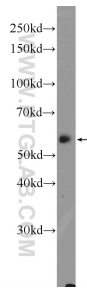
T: 4006900926

E: Proteintech-CN@ptglab.com

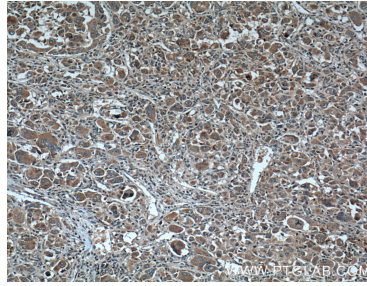
W: ptgcn.com

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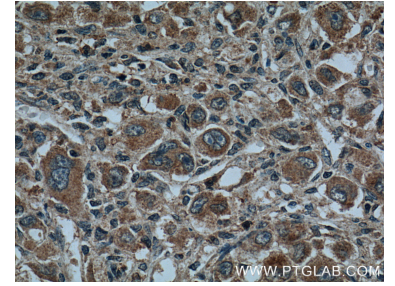
Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 14739-1-AP (CYP27A1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14739-1-AP (CYP27A1 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 cancer tissue slide using 14739-1-AP (CYP27A1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).