

CYP27A1 Polyclonal antibody

Catalog Number: 19195-1-AP

1 Publications

Basic Information

Catalog Number:

19195-1-AP

Size:

150ul , Concentration: 493 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7746

GenBank Accession Number:

BC051851

GeneID (NCBI):

1593

UNIPROT ID:

Q02318

Full Name:

cytochrome P450, family 27, subfamily A, polypeptide 1

Calculated MW:

60 kDa

Observed MW:

60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB : L02 cells, HepG2 cells

IHC : human kidney tissue,

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
Disi Bai	29722875	Toxicol Sci	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

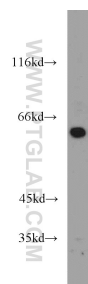
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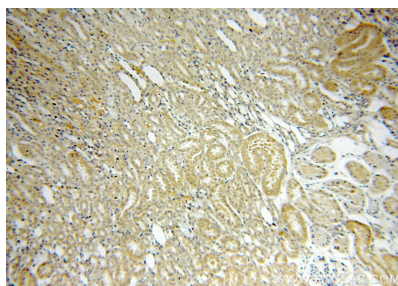
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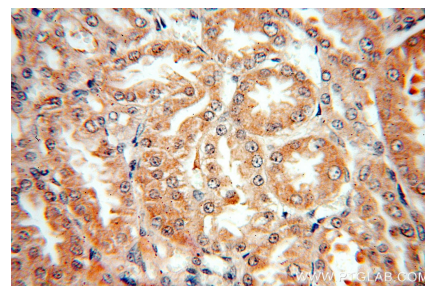
Selected Validation Data



L02 cells were subjected to SDS PAGE followed by western blot with 19195-1-AP (CYP27A1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 19195-1-AP (CYP27A1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 19195-1-AP (CYP27A1 antibody) at dilution of 1:100 (under 40x lens).