

For Research Use Only

# LSS Polyclonal antibody

Catalog Number: 13715-1-AP

23 Publications



## Basic Information

### Catalog Number:

13715-1-AP

### Concentration:

500 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4655

### GenBank Accession Number:

BC035638

### GeneID (NCBI):

4047

### UNIPROT ID:

P48449

### Full Name:

lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)

### Calculated MW:

732 aa, 83 kDa

### Observed MW:

70-75 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:1000-1:5000

IP: 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC: 1:20-1:200

IF/ICC: 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, rabbit

**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** : HT-1376 cells, PC-3 cells, HeLa cells, HepG2 cells, mouse testis tissue, human brain tissue, mouse pancreas tissue, mouse liver tissue, SH-SY5Y cells

**IP** : HepG2 cells,

**IHC** : human liver tissue, mouse testis tissue

**IF/ICC** : HepG2 cells,

## Background Information

LSS, also named as OSC, is lanosterol synthase which catalyzes the cyclization of (S)-2,3 oxidosqualene to lanosterol, a reaction that forms the sterol nucleus. LSS gene has three isoforms with MW 74 kDa and 82-85 kDa. This antibody can recognize all these three isoforms.

## Notable Publications

Author	Pubmed ID	Journal	Application
Audrey Basque	36279966	Toxicol In Vitro	WB
Timothy J Grunkemeyer	34029588	J Biol Chem	WB
Ryan S Wible	29367259	Mol Pharmacol	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

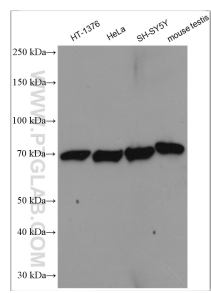
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

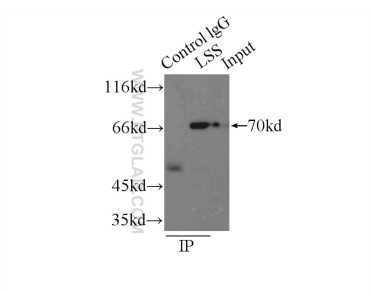
W: [ptgcn.com](http://ptgcn.com)

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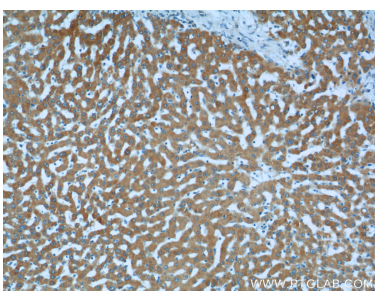
Selected Validation Data



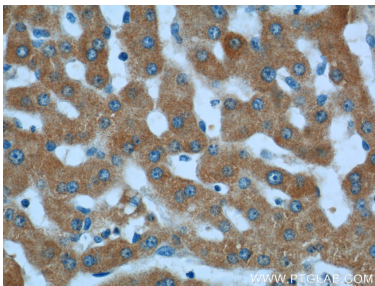
Various lysates were subjected to SDS PAGE followed by western blot with 13715-1-AP (LSS antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



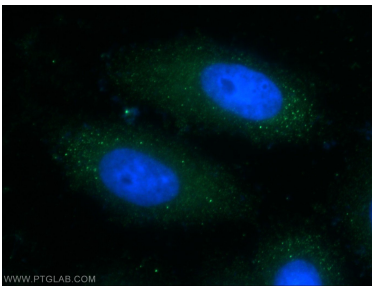
IP result of anti-LSS (IP:13715-1-AP, 3ug; Detection:13715-1-AP 1:500) with HepG2 cells lysate 2900ug.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 13715-1-AP (LSS Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 13715-1-AP (LSS Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 13715-1-AP (LSS antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).