

For Research Use Only

# HSL Polyclonal antibody

Catalog Number: 17333-1-AP

26 Publications



## Basic Information

Catalog Number:

17333-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11360

GenBank Accession Number:

BC070041

GeneID (NCBI):

3991

UNIPROT ID:

Q05469

Full Name:

lipase, hormone-sensitive

Calculated MW:

117 kDa

Observed MW:

84 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, pig

Cited Species:

human, mouse, rat, pig, bovine

**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 : mouse adipose tissue, pig adipose tissue

IHC : mouse brown adipose tissue, mouse testis tissue

## Background Information

Hormone sensitive lipase (HSL) belongs to the 'GDXG' lipolytic enzyme family. In adipose tissue and heart, it primarily hydrolyzes stored triglycerides to free fatty acids, while in steroidogenic tissues, it principally converts cholesteryl esters to free cholesterol for steroid hormone production. HSL has two isoforms with the molecular mass of 117 kDa and 84 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuzuru Iizuka	34588391	Exp Anim	WB
Jie Liu	36096243	Life Sci	WB
Jinzhao Zhou	35999762	Ecotoxicol Environ Saf	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

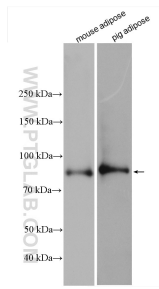
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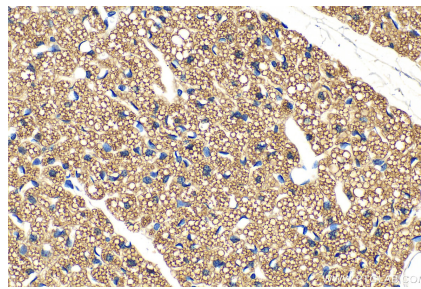
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17333-1-AP (HSL antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue slide using 17333-1-AP (HSL antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).