

For Research Use Only

# HSL Polyclonal antibody

Catalog Number: 17333-1-AP

22 Publications



## Basic Information

<b>Catalog Number:</b> 17333-1-AP	<b>GenBank Accession Number:</b> BC070041	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 900 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3991	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q05469	
<b>Isotype:</b> IgG	<b>Full Name:</b> lipase, hormone-sensitive	
<b>Immunogen Catalog Number:</b> AG11360	<b>Calculated MW:</b> 117 kDa	
	<b>Observed MW:</b> 84 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC, IF, IP	<b>WB :</b> mouse adipose tissue, pig adipose tissue
<b>Species Specificity:</b> human, pig, mouse	<b>IHC :</b> human testis tissue,
<b>Cited Species:</b> human, mouse, pig	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

LIPE, also known as HSL and LHS, 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. LIPE 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

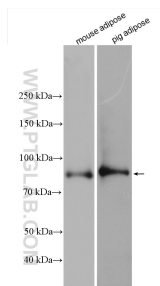
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

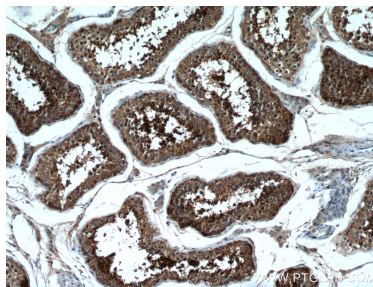
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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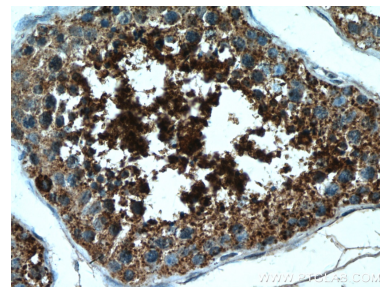
## Selected Validation Data



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 human testis tissue slide using 17333-1-AP (LIPE 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 testis tissue slide using 17333-1-AP (LIPE antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).