For Research Use Only

LPL Polyclonal antibody

Catalog Number:28602-1-AP 2 Publications

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Basic Information

Catalog Number:
28602-1-AP

Size:
150ul , Concentration: 800 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC011353

GeneID (NCBI):
4023

UNIPROT ID:
P06858

Full Name:
lipoprotein lipase

Calculated MW:
475 aa, 53 kDa

Observed MW:
55 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:6000
IHC 1:500-1:2000

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC

Species Specificity:
Human, mouse

Cited Species:
human, mouse, sheep

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 : HeLa cells,

IHC : mouse brown adipose tissue,

Background Information

Lipoprotein lipase (LPL) is a key enzyme in lipid and lipoprotein metabolism. The canonical role of LPL involves the hydrolysis of triglyceride-rich lipoproteins for the provision of FFAs to metabolic tissues. LPL is highly expressed in adipocytes and myocytes as well as macrophages. Its protein level and activity are tightly regulated by multiple mechanisms in response to the metabolic state and energy demands of the cell . (PMID: 33277156, PMID: 33172164)

Notable Publications

Author	Pubmed ID	Journal	Application
Wei Zhang	39691379	Front Vet Sci	WB
Wei Chang	38339301	Cancers (Basel)	WB,IHC

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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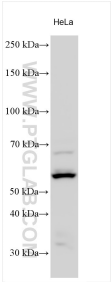
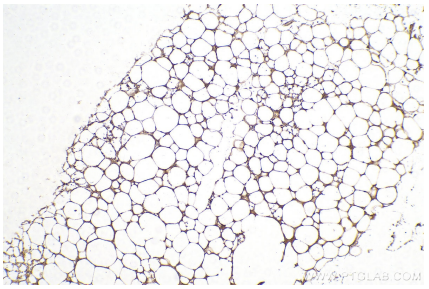
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 28602-1-AP (LPL antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue slide using 28602-1-AP (LPL antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).