

For Research Use Only

Perilipin 5 Polyclonal antibody

Catalog Number: 26951-1-AP

Featured Product

23 Publications



Basic Information

Catalog Number:

26951-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25272

GenBank Accession Number:

BC131524

GeneID (NCBI):

440503

UNIPROT ID:

Q00G26

Full Name:

lipid storage droplet protein 5

Calculated MW:

463 aa, 51 kDa

Observed MW:

51-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:10000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat, pig

Cited Species:

human, mouse, rat, goat

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: MCF-7 cells, mouse liver tissue, pig heart tissue, mouse heart tissue, rat heart tissue

IHC: human liver tissue, mouse heart tissue, mouse brown adipose tissue, human heart tissue

Background Information

Perilipin 5 (also known as LSDP5/OXPAT) is a lipid droplet (LD) coat protein that promotes association of LDs with mitochondria and is mainly present in tissues with a high fat-oxidative capacity, such as heart, skeletal muscles and brown adipose tissue. It plays an important role in the regulation of cardiac lipid storage and function.

Notable Publications

Author	Pubmed ID	Journal	Application
Xinyu Bao	36107452	J Mol Cell Biol	WB
Yanjie Tan	31614673	Cells	WB
Miljenko V Panajatovic	34066911	Int J Mol 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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

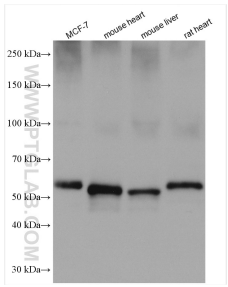
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

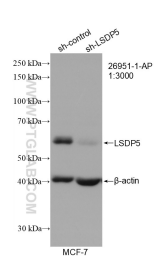
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

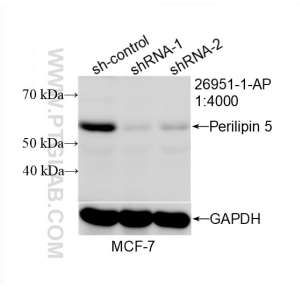
Selected Validation Data



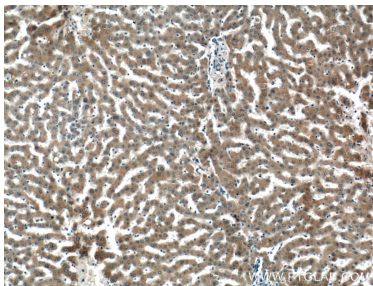
Various lysates were subjected to SDS PAGE followed by western blot with 26951-1-AP (Perilipin 5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



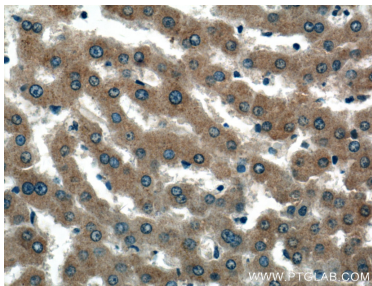
WB result of Perilipin 5 antibody (26951-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Perilipin 5 transfected MCF-7 cells.



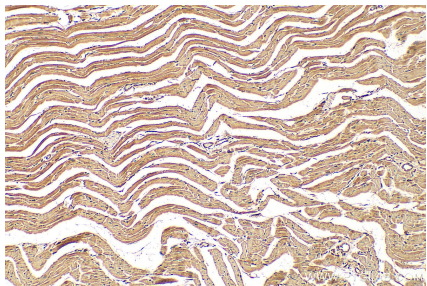
WB result of Perilipin 5 antibody (26951-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Perilipin 5 transfected MCF-7 cells.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 26951-1-AP (Perilipin 5 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 26951-1-AP (Perilipin 5 antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 26951-1-AP (Perilipin 5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).