

For Research Use Only

Perilipin 5 Polyclonal antibody



Catalog Number: 26951-1-AP

Featured Product

6 Publications

Basic Information

Catalog Number: 26951-1-AP	GenBank Accession Number: BC131524	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 440503	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: lipid storage droplet protein 5	
Isotype: IgG	Calculated MW: 463 aa, 51 kDa	
Immunogen Catalog Number: AG25272	Observed MW: 51-55 kDa	

Applications

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

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
Yanjie Tan	31614673	Cells	WB
Miljenko V Panajatovic	34066911	Int J Mol Sci	WB
Xi Wang	30929916	Biochem Biophys Res Commun	WB

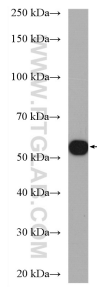
Storage

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

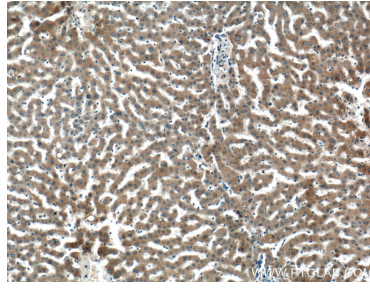
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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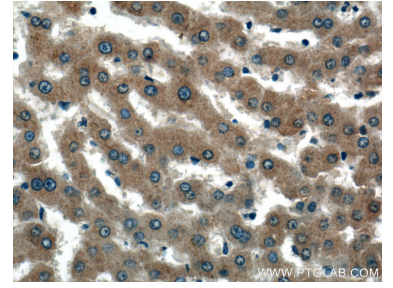
Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 26951-1-AP (Perilipin 5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).