## For Research Use Only

## Perilipin 1 Polyclonal antibody

Catalog Number:27716-1-AP 8 Publications



Basic Information	Catalog Number: 27716-1-AP	GenBank Accession Number: NM_001145311	Purification Method: Antigen affinity purification	
	Size: 150ul , Concentration: 600 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG26426	GeneID (NCBI): 5346 UNIPROT ID: 060240 Full Name: perilipin	Recommended Dilutions: WB: 1:1000-1:8000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:200-1:800 IF-P: 1:50-1:500	
				Calculated MW: 56 kDa
		Observed MW: 62-67 kDa		
		Applications	Tested Applications:	Positive
WB, IHC, IF-P, IP, ELISA Cited Applications:			WB : 3T3-L1 cells, MCF-7 cells, NIH/3T3 cells, mouse liver tissue	
WB, IHC, IF	IP:NIH/		3T3 cells,	
Species Specificity: human, mouse	IHC : mc		ouse brown adipose tissue,	
Cited Species: human, mouse, goat, sheep	IF-P : mo		ouse brown adipose tissue,	
Note-IHC: suggested antigen ı TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0	vely, antigen			
Background Information	phosphoprotein that encircles the lip (PMID: 2040638). PLIN1 is the major of unphosphorylated, may play a role in visceral adipose tissue, and mamma lipodystrophic syndromes, which dis	id storage droplet in adipocytes a CAMP-dependent protein kinase s n inhibiting lipolysis. PLIN1 is der ry gland (PMID: 27832861, 95218 ables the optimal accumulation o ues such as skeletal muscle and l	ubstrate in adipocytes and, when tected in adipocytes of white adipose tissue 80). The deficiency of PLIN1 causes of triglycerides in adipocytes that results in	
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Notable Publications	phosphoprotein that encircles the lip (PMID: 2040638). PLIN1 is the major of unphosphorylated, may play a role in visceral adipose tissue, and mamma lipodystrophic syndromes, which dis abnormal deposition of lipids in tissu insulin resistance and hypertriglycer Author Put Pingbo Ouyang 400 Wei Zhang 396 Hao Yu 389 Storage: Storage:	id storage droplet in adipocytes a CAMP-dependent protein kinases inhibiting lipolysis. PLIN1 is der ry gland (PMID: 27832861, 95218 ables the optimal accumulation d les such as skeletal muscle and l idemia (PMID: 21345103). med ID Journal 135727 Invest Ophthalm 191379 Front Vet Sci 136833 Biol Reprod er shipment. % glycerol, pH7.3	and modulates adipocyte lipid metabolism ubstrate in adipocytes and, when tected in adipocytes of white adipose tissue 80). The deficiency of PLIN1 causes of triglycerides in adipocytes that results in iver. The storage of lipids in the liver leads Application mol Vis Sci WB WB	

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brown adipose tissue using PLIN1 antibody (27716-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 27716-1-AP (Perilipin 1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 27716-1-AP (PLIN1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-Perilipin 1 (IP:27716-1-AP, 4ug; Detection:27716-1-AP 1:2000) with NIH/3T3 cells lysate 1505 ug.



Immunohistochemical analysis of paraffinembedded mouse brown adipose tissue slide using 27716-1-AP (Perilipin 1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse brown adipose tissue slide using 27716-1-AP (Perilipin 1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brown adipose tissue using PLIN1 antibody (27716-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).