

For Research Use Only

ANGPTL4 Monoclonal antibody

Catalog Number: 67577-1-Ig **1 Publications**



Basic Information

Catalog Number: 67577-1-Ig	GenBank Accession Number: BC023647	Purification Method: Protein A purification
Size: 2100 µg/ml	GeneID (NCBI): 51129	CloneNo.: 1D2H6
Source: Mouse	UNIPROT ID: Q9BY76	Recommended Dilutions: WB 1:1000-1:5000 IF 1:200-1:800
Isotype: IgG2b	Full Name: angiopoietin-like 4	
Immunogen Catalog Number: AG30070	Calculated MW: 45 kDa	
	Observed MW: 45-50 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls:
Cited Applications: WB, IF	WB : human placenta tissue, COLO 320 cells, Caco-2 cells, HT-29 cells, mouse brain tissue, A549 cells
Species Specificity: Human, mouse	IF : NIH/3T3 cells,
Cited Species: human	

Background Information

Angiopoietin-like protein 4 (ANGPTL4), a member of the angiopoietin-like protein subfamily, is a secretory protein that functions as an important modulator of glucose and lipid metabolism. ANGPTL4 inhibits lipoprotein lipase (LPL)-dependent lipolysis thereby limiting the uptake of free fatty acids. Overexpression of ANGPTL4 results in hypertriglyceridemia, while ANGPTL4 deficiency suppresses foam formation in macrophages and protects against atherosclerosis. ANGPTL4 may play a role in several cancers and it also has been shown to prevent the metastatic process by inhibiting vascular activity as well as tumor cell motility and invasiveness. Decreased expression of this protein has been associated with type 2 diabetes. ANGPTL4 has three isoforms, 45 kDa, 41 kDa and 27 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Xingzhao Ji	36352407	BMC Biol	WB, IF

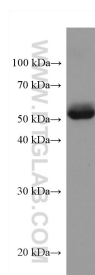
Storage

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

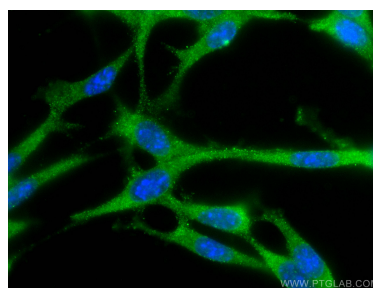
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 67577-1-Ig (ANGPTL4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using ANGPTL4 antibody (67577-1-Ig, Clone: 1D2H6) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).