

For Research Use Only

# ANGPTL4 Monoclonal antibody

Catalog Number: 67577-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 67577-1-Ig	<b>GenBank Accession Number:</b> BC023647	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2100 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 51129	<b>CloneNo.:</b> 1D2H6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9BY76	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG2b	<b>Full Name:</b> angiopoietin-like 4	
<b>Immunogen Catalog Number:</b> AG30070	<b>Calculated MW:</b> 45 kDa	
	<b>Observed MW:</b> 45-50 kDa	

## Applications

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

## 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
Yongbin Chen	40100923	J Clin Invest	WB

## Storage

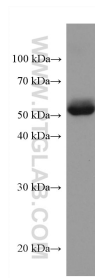
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

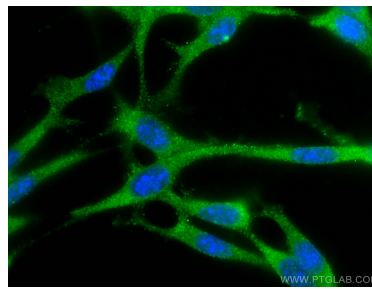
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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).