

For Research Use Only

# ANGPTL4 Monoclonal ANTIBODY



Catalog Number: 67577-1-Ig

## Basic Information

Catalog Number:

67577-1-Ig

Size:

150UL, Concentration: 1000 µg/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG30070

GenBank Accession Number:

BC023647

GeneID (NCBI):

51129

Full Name:

angiotensin-like 4

Calculated MW:

45 kDa

Observed MW:

45-50 kDa

Purification Method:

Protein A purification

CloneNo.:

1D2H6

Recommended Dilutions:

WB 1:1000-1:5000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB: human placenta tissue, COLO 320 cells, Caco-2 cells, HT-29 cells, mouse brain tissue, A549 cells

## Background Information

Angiotensin-like protein 4 (ANGPTL4), a member of the angiotensin-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.

## Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

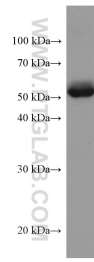
For technical support and original validation data for this product please contact:

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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.