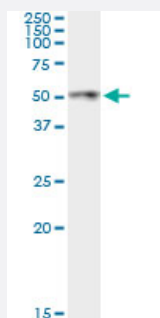


# ANGPTL4 monoclonal antibody (M02), clone 1A12

Catalog # H00051129-M02

Size 100 ug

## Applications



### Immunoprecipitation

Immunoprecipitation of ANGPTL4 transfected lysate using anti-ANGPTL4 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ANGPTL4 MaxPab rabbit polyclonal antibody.

## Specification

|                                      |                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a full-length recombinant ANGPTL4.                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>                     | ANGPTL4 (AAH23647.1, 26 a.a. ~ 406 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                                                                                                                                     |
| <b>Sequence</b>                      | GPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAERTRSQLSALERRLSACGSACQGTEGSTDLPLAPESRVDPEVLHSLQTQLKAQNSRIQQLFHKVAQQQRHLEKQHLRIQHLQSQFGLLDHKHLDHEVAKPARRKRLPEMAQPVDPAHNVSRHLHRLPRDCQELFQVGERQSGLFELIQPQGSPFLVNC KMTSDGGWTVIQRHDGSVDFNRPWEAYKAGFGDPHGEFWLGLEKVHSITGDRNSRLAVQLRDWDGNAELLQFSVHLGGEDTAYSLQLTAPVAGQLGATTVPSPGLSVPFSTWDQDHDLRDKNCAKSLSGGWVFGTCSHNLNGQYFRSIPQQRQKLKKGIFWKTWRGRYHPLQATTMLIQPIAAEAAS |
| <b>Host</b>                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Reactivity</b>                    | Human                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Interspecies Antigen Sequence</b> | Mouse (75); Rat (76)                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Isotype</b>                       | IgG1 Kappa                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.                                                                                                                                                                                                                                                                                                                                               |

**Storage Buffer**

In 1x PBS, pH 7.4

**Storage Instruction**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Immunoprecipitation

Immunoprecipitation of ANGPTL4 transfected lysate using anti-ANGPTL4 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ANGPTL4 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- ELISA

## Gene Info — ANGPTL4

**Entrez GeneID**
[51129](#)
**GeneBank Accession#**
[BC023647](#)
**Protein Accession#**
[AAH23647.1](#)
**Gene Name**

ANGPTL4

**Gene Alias**

ANGPTL2, ARP4, FIAF, HFARP, NL2, PGAR, pp1158

**Gene Description**

angiopoietin-like 4

**Omim ID**
[605910](#)
**Gene Ontology**
[Hyperlink](#)
**Gene Summary**

This gene is a member of the angiopoietin/angiopoietin-like gene family and encodes a glycosylated, secreted protein with a fibrinogen C-terminal domain. This gene is induced under hypoxic conditions in endothelial cells and is the target of peroxisome proliferation activators. The encoded protein is a serum hormone directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity and also acts as an apoptosis survival factor for vascular endothelial cells. The encoded protein 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. Alternatively spliced transcript variants encoding different isoforms have been described. This gene was previously referred to as ANGPTL2 but has been renamed ANGPTL4. [provided by RefSeq]

**Other Designations**

PPARG angiopoietin related protein|angiopoietin-like 4 protein|angiopoietin-related protein 4|fast insulin-induced adipose factor|hepatic angiopoietin-related protein|hepatic fibrinogen/angiopoietin-related protein|peroxisome proliferator-activated receptor (P

## Pathway

- [PPAR signaling pathway](#)

## Disease

- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Syndrome](#)
- [Weight Gain](#)