

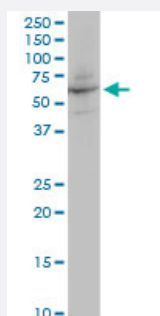
MaxPab®

ANGPTL4 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00051129-B01P

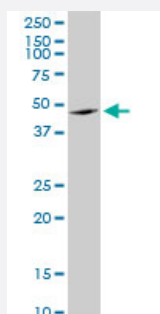
Size 50 ug

Applications



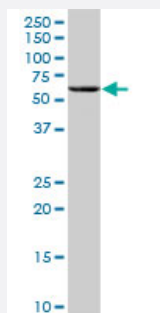
Western Blot (Cell lysate)

ANGPTL4 MaxPab polyclonal antibody. Western Blot analysis of ANGPTL4 expression in NIH/3T3.



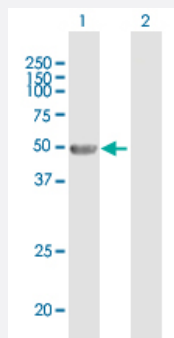
Western Blot (Cell lysate)

ANGPTL4 MaxPab polyclonal antibody. Western Blot analysis of ANGPTL4 expression in HeLa.



Western Blot (Cell lysate)

ANGPTL4 MaxPab polyclonal antibody. Western Blot analysis of ANGPTL4 expression in RIN-m5F.



Western Blot (Transfected lysate)

Western Blot analysis of ANGPTL4 expression in transfected 293T cell line ([H00051129-T02](#)) by ANGPTL4 MaxPab polyclonal antibody.

Lane 1: ANGPTL4 transfected lysate(44.66 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ANGPTL4 protein.
Immunogen	ANGPTL4 (NP_647475.1, 1 a.a. ~ 406 a.a) full-length human protein.
Sequence	MSGAPTAGAALMLCAATAVLLSAQGGPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAERTR SQLSALERRLSACGSACQGTEGSTDLPLAPESRVDPEVLHSLQTQLKAQNSRIQQLFHKVAQQQ RHLEKQHLRIQHLSQSFGLLDHKHLDHEVAKPARRKRLPEMAQPVDPAHNVSRHLRPRDCQEL FQVGERQSGLFELPQGGSPFLVNCKMTSDGGWTVIQRHDGSVDFNRPWEAYKAGFGDPHGE FWLGLEKVHSITGDRNSRLAVQLRDWDGNAELLQFSVHLGGEDTAYSLQLTAPVAGQLGATTVP PSGLSVPFSTWDQDHLRRDKNCAKSLSGGWWFGTCSHSNLNGQYFRSIPQQRQKLKKGIFWK TWRGRYYPLQATTMLIQPMAAEAAS
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (75); Rat (76)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

● Western Blot (Cell lysate)

ANGPTL4 MaxPab polyclonal antibody. Western Blot analysis of ANGPTL4 expression in NIH/3T3.

[Protocol Download](#)

- Western Blot (Cell lysate)

ANGPTL4 MaxPab polyclonal antibody. Western Blot analysis of ANGPTL4 expression in HeLa.

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ANGPTL4 MaxPab polyclonal antibody. Western Blot analysis of ANGPTL4 expression in RIN-m5F.

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- Western Blot (Transfected lysate)

Western Blot analysis of ANGPTL4 expression in transfected 293T cell line ([H00051129-T02](#)) by ANGPTL4 MaxPab polyclonal antibody.

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ANGPTL4

Entrez GeneID [51129](#)

GeneBank Accession# [NM_139314](#)

Protein Accession# [NP_647475.1](#)

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 ing-induced adipose factor|hepatic angiopoietin-related protein|hepatic fibrinogen/angiopoietin-related protein|peroxisome proliferator-activated receptor (P

Publication Reference

- [High Concentrations of Angiopoietin-Like Protein 4 Detected in Serum from Patients with Rheumatoid Arthritis Can Be Explained by Non-Specific Antibody Reactivity.](#)

Makoveichuk E, Ruge T, Nilsson S, Södergren A, Olivecrona G.

PLoS One 2017 Jan; 12(1):e0168922.

Application: ELISA, Human, Serum from Patients with Rheumatoid Arthritis

- [Inactivation of lipoprotein lipase occurs on the surface of THP-1 macrophages where oligomers of angiopoietin-like protein 4 are formed.](#)

Makoveichuk E, Sukonina V, Kroupa O, Thulin P, Ehrenborg E, Olivecrona T, Olivecrona G.

Biochemical and Biophysical Research Communications 2012 Aug; 425(2):138.

Application: WB, Human, THP-1 cells

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](#)