



Anti-ANGPTL4 (full length) polyclonal antibody (DPAB-DC2126)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | This gene encodes a glycosylated, secreted protein containing a C-terminal fibrinogen domain. The encoded protein is induced by peroxisome proliferation activators and functions as a serum hormone that regulates glucose homeostasis, lipid metabolism, and insulin sensitivity. This protein can also act as an apoptosis survival factor for vascular endothelial cells and can prevent metastasis by inhibiting vascular growth and tumor cell invasion. The C-terminal domain may be proteolytically-cleaved from the full-length secreted protein. Decreased expression of this gene has been associated with type 2 diabetes. Alternative splicing results in multiple transcript variants. This gene was previously referred to as ANGPTL2 but has been renamed ANGPTL4. |
| Immunogen | ANGPTL4 (AAH23647.1, 26 a.a. ~ 406 a.a) full-length recombinant protein with GST tag. The sequence is GPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAERTRSQLSALERRLSACGSACQGTEG STDPLAPESRVDPEVLHSLQTQLKAQNSRIQQQLFHKAQQQRHLEKQHRLIQHLQSQFG LLDHKHLDEVAKPARRKRLPEMAQPVDPAHNVSRLLHRLPRDCQELFQVGERQSGLFEIQ PQGSPPFLVNCKMTSDGGWTVIQRRHDGSVDFNRPWEAYKAGFGDPHGEFWLGLEKVHSI TGDRNSRLAVQLRDWDGNAELLQFSVHLGGEDTAYSLQLTAPVAGQLGATTVPPSGLSPV FSTWDQDHDLRRDKNCAKSLGGWWFGTCHSNLNGQYFRSIPQQRKLLKGIFWKTWRG RYHPLQATTMLIQPIAAEAAS |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | WB (Recombinant protein), ELISA, |
| Size | 50 µl |

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| Buffer | 50 % glycerol |
| Preservative | None |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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| Gene Name | ANGPTL4 angiopoietin-like 4 [Homo sapiens (human)] |
| Official Symbol | ANGPTL4 |
| Synonyms | ANGPTL4; angiopoietin-like 4; NL2; ARP4; FIAF; HARP; PGAR; HFARP; UNQ171; pp1158; ANGPTL2; angiopoietin-related protein 4; fasting-induced adipose factor; PPARG angiopoietin related protein; hepatic angiopoietin-related protein; hepatic fibrinogen/angiopoietin-related protein; peroxisome proliferator-activated receptor (PPAR) gamma induced angiopoietin-related protein; |
| Entrez Gene ID | 51129 |
| Protein Refseq | NP_001034756 |
| UniProt ID | Q9BY76 |
| Chromosome Location | 19p13.3 |
| Pathway | Developmental Biology; Metabolism; PPAR signaling pathway; PPARA activates gene expression |
| Function | enzyme inhibitor activity; protein binding; |