



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

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

PRODUCT INFORMATION

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 STDLPLAPESRVDPEVLHSLQTQLKAQNSRIQQLFHKVAQQQRHLEKQHLRIQHLQSQFG LLDCHKHLDHEVAKPARRKRLPEMAQPVDPAHNVSRHLRLPRDCQELFQVGERQSGLFIEIQ PQGSPFLVNCKMTSDGGWTVIQRRHDGSDVDFNRPWEAYKAGFGDPHGEFWLGLKGVHSI TGDRNSRLAVQLRDWDGNAELLQFSVHLGGEDTAYSLQLTAPVAGQLGATTVPPSGLSVP FSTWDQDHDLRDKNCAKSLSGGWVFGTCSHSNLNGQYFRSIPQQRQKLKKGIFWKTWRG RYHPLQATTMLIQPIAAEAAS
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl

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

GENE INFORMATION

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; PPARG activates gene expression
Function	enzyme inhibitor activity; protein binding;