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Angiopoietin-like 4 Rabbit pAb

Catalog # AP96448

Product Information

Application	WB
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse ARP4
Epitope Specificity	331-410/410
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 fibrinogen C-terminal domain.
SUBUNIT	Homooligomer. The homooligomer undergoes proteolytic processing to release its carboxyl fibrinogen-like domain, which circulates as a monomer. The homooligomer unprocessed form is able to interact with the extracellular matrix.
Post-translational modifications	N-glycosylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Sep 2013]

Additional Information

Other Names	ARP4; FIAF; HARP; HFARP; NL2; PGAR; TGQTL; UNQ171; pp1158; ANGL4_HUMAN; ANGPTL4; Angiopoietin-like protein 4; Hepatic fibrinogen/angiopoietin-related protein (HFARP); angiopoietin like 4; angiopoietin-like 4; fasting-induced adipose factor; hepatic angiopoietin-related protein; PPARG angiopoietin related protein; hepatic fibrinogen/angiopoietin-related protein; peroxisome proliferator-activated receptor (PPAR) gamma induced angiopoietin-related protein; angiopoietin-related protein 4

Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	Angiopoietin-like 4 Rabbit pAb
Function	Protein with hypoxia-induced expression in endothelial cells. May act as a regulator of angiogenesis and modulate tumorgenesis. Inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. May exert a protective function on endothelial cells through an endocrine action. It is directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity. In response to hypoxia, the unprocessed form of the protein accumulates in the subendothelial extracellular matrix (ECM). The matrix-associated and immobilized unprocessed form limits the formation of actin stress fibers and focal contacts in the adhering endothelial cells and inhibits their adhesion. It also decreases motility of endothelial cells and inhibits the sprouting and tube formation.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.