

Rabbit ANGPTL4 Polyclonal Antibody | anti-ANGPTL4 antibody

ANGPTL4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326515	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ANGPTL4; Polyclonal Antibody; ANGPTL4 Antibody; Angiopoietin like 4; Angiopoietin related protein 4; Angiopoietin-like protein 4; Angiopoietin-related protein 4; ANGL4_HUMAN; ANGPT L2; ANGPT L4; ANGPTL2; Angptl4; ARP4; Fasting induced adipose factor; FIAF; HARP; Hepatic angiopoietin related protein; Hepatic fibrinogen/angiopoietin related protein; Hepatic fibrinogen/angiopoietin-related protein; HFARP; NL2; Peroxisome proliferator-activated receptor (PPAR) gamma induced angiopoietin related protein; PGAR; pp1158; PPARG angiopoietin related protein; PSEC0166; TGQTL; UNQ171; Weakly similar to angiopoietin 1 [H.sapiens]; anti-ANGPTL4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ANGPTL4 antibody detects endogenous levels of total ANGPTL4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	368
Applicable Applications for anti-ANGPTL4 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ANGPTL4
Subcellular Location	Secreted. Secreted > Extracellular Space > Extracellular Matrix. The unprocessed form interacts with the extracellular matrix. This may constitute a dynamic reservoir, a regulatory mechanism of the bioavailability of ANGPTL4.
Tissue Specificity	Expressed at high levels in the placenta, heart, liver, muscle, pancreas and lung but expressed poorly in the brain and kidney.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326515 at 1/100 staining human lung carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of mouse skeletal muscle, using ANGPTL4 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ANGPTL4 antibody	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. Function: Protein with hypoxia-induced expression in endothelial cells. May act as a regulator of angiogenesis and modulate tumorigenesis. 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 (By similarity). Subunit Structure: 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 (By similarity). Post-translational Modifications: N-glycosylated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	89264696
NCBI GeneID	51129
NCBI Accession #	NP_001034756.1
NCBI GenBank Nucleotide #	NM_001039667.2
UniProt Accession #	Q9BY76; Q53HQ6; Q53HU1; Q6UXN0; Q9HBV4; Q9NZU4; Q9Y5B3; A8MY84; B4E089; D6W670; F5H0I2
Molecular Weight	Observed: 45 kDa Predicted: 46 kDa
NCBI Official Full Name	angiopoietin-related protein 4 isoform b
NCBI Official Synonym Full Names	angiopoietin like 4
NCBI Official Symbol	ANGPTL4
NCBI Official Synonym Symbols	NL2; ARP4; FIAF; HARP; PGAR; HFARP; TGQTL; UNQ171; pp1158
NCBI Protein Information	angiopoietin-related protein 4
UniProt Protein Name	Angiopoietin-related protein 4
UniProt Gene Name	ANGPTL4
UniProt Synonym Gene Names	ARP4; HFARP; PGAR; HFARP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/angptl4-antibody-immunohistochemistry-western-blot-elisa/326515>