ANGPTL4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ANGPTL4, Polyclonal Antibody
Full Product Name	ANGPTL4 (Angiopoietin-related Protein 4, Angiopoietin-like Protein 4, Hepatic Fibrinogen/Angiopoietin-related Protein, HFARP, ARP4, HFARP, PGAR
Product Gene Name	anti-ANGPTL4 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human ANGPTL4. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	45,214 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (8429011..8439257). Location: 19p13.3
OMIM	gene 615881
3D Structure	ModBase 3D Structure for Q9BY76
Immunogen	Full length human ANGPTL4, aa1-406 (NP_647475.1).
Immunogen Sequence	MSGAPTAGAALMLCAATAVLLSAQGGPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAERTRSQLSALERRLSACGSACQGTEGSTDLPLAPESRVD
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-ANGPTL4 antibody	Antibodies; Angiopoietin
Applications Tested/Suitable for anti-ANGPTL4 antibody	Western Blot (WB)
Application Notes for anti-ANGPTL4 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-ANGPTL4 antibody	Angiopoietin-like protein 4 (ANGPTL4), also known as PPAR angiopoietinrelated protein, fasting-induced adipose factor, or hepatic fibrinogen /angiopo hepatic glucose production and enhancing insulin-mediated inhibition of gluconeogenesis. However, the molecular mechanisms underlying its metaboli
Other Notes	Small volumes of anti-ANGPTL4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nec
Searchable Terms for ANGPTL4 purchase	MBS6369834 is an antibody targeting ANGPTL4. Also known as ANGPTL4 (Angiopoietin-related Protein 4, Angiopoietin-like Protein 4, Hepatic Fibrino

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ANGPTL4. It may not necessarily be applicable to this product.

NCBI GI #	21536398
NCBI GeneID	51129
NCBI Accession #	NP_647475.1
UniProt Primary Accession #	Q9BY76
UniProt Secondary Accession #	Q53HQ6; Q53HU1; Q6UXN0; Q9HBV4; Q9NZU4; Q9Y5B3; D6W670
UniProt Related Accession #	Q9BY76
GenBank Nucleotide #	NM_139314
NCBI Official Full Name	angiopoietin-related protein 4 isoform a
NCBI Official Synonym Full Names	angiopoietin-like 4
NCBI Official Symbol	ANGPTL4
NCBI Official Synonym Symbols	NL2; ARP4; FIAF; PGAR; HFARP; pp1158; ANGPTL2
UniProt Protein Name	Angiopoietin-related protein 4
UniProt Synonym Protein Names	Angiopoietin-like protein 4; Hepatic fibrinogen/angiopoietin-related protein; HFARP
Protein Family	Angiopoietin-related protein
UniProt Gene Name	ANGPTL4
UniProt Synonym Gene Names	ARP4; HFARP; PGAR; HFARP
UniProt Entry Name	ANGL4_HUMAN
NCBI Protein Information	angiopoietin-related protein 4; angiopoietin-like protein 4; fasting-induced adipose factor; PPARG angiopoietin related protein; hepatic angiopoietin-related protein; hepatic fibrinogen/angiopoietin-related protein; peroxisome proliferator-activated recep

UniProt Comments for ANGPTL4	ANGPTL4: 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. Protein type: Secreted, signal peptide; Secreted; Apoptosis; Extracellular matrix; Inhibitor Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: extracellular space; proteinaceous extracellular matrix; extracellular region Molecular Function: enzyme inhibitor activity; protein binding Biological Process: positive regulation of angiogenesis; response to hypoxia; negative regulation of lipoprotein lipase activity; angiogenesis; cellular lipid metabolic process; cell differentiation; protein homooligomerization; negative regulation of apoptosis Disease: Plasma Triglyceride Level Quantitative Trait Locus
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