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Anti-ANGPTL4 Antibody (Coiled-coil domain, clone Kairos4-397G)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18494

Specification

Anti-ANGPTL4 Antibody (Coiled-coil domain, clone Kairos4-397G) - Product Information

Application	**WB, IHC-P, E**
Primary Accession	Q9BY76
Predicted	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1,k**
Calculated MW	**45214**

Anti-ANGPTL4 Antibody (Coiled-coil domain, clone Kairos4-397G) - Additional Information

Gene ID 51129

Alias Symbol **ANGPTL4**

Other Names
ANGPTL4, Angiopoietin-like 4, Angiopoietin-related protein 4, Angiopoietin-like protein 4, Fasting-induced adipose factor, NL2, PGAR, Pp1158, ARP4, FIAF, HFARP

Target/Specificity
Recognizes the coiled-coil domain (CCD) of human ANGPTL4. Detects a band of ~19kDa by Western blot.

Reconstitution & Storage
Protein G purified

Precautions
Anti-ANGPTL4 Antibody (Coiled-coil domain, clone Kairos4-397G) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-ANGPTL4 Antibody (Coiled-coil domain, clone Kairos4-397G) - Protein Information

Name ANGPTL4

Synonyms ARP4, HFARP, PGAR {ECO:0000303|PubMed:10

Function
Mediates inactivation of the lipoprotein lipase LPL, and thereby plays a role in the regulation of triglyceride clearance from the blood serum and in lipid metabolism (PubMed:19270337, PubMed:21398697, PubMed:27929370, PubMed:29899144). May also

play a role in regulating glucose homeostasis and insulin sensitivity (Probable). Inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage (PubMed:14583458, PubMed:17068295). Upon heterologous expression, inhibits the adhesion of endothelial cell to the extracellular matrix (ECM), and inhibits the reorganization of the actin cytoskeleton, formation of actin stress fibers and focal adhesions in endothelial cells that have adhered to ANGPTL4-containing ECM (in vitro) (PubMed:17068295). Depending on context, may modulate tumor-related angiogenesis (By similarity).

Cellular Location
Secreted. Secreted, extracellular space, extracellular matrix. Note=The unprocessed form interacts with the extracellular matrix (PubMed:17068295, PubMed:21398697). This may constitute a dynamic reservoir, a regulatory mechanism of the bioavailability of ANGPTL4 (Probable).

Tissue Location
Detected in blood plasma (at protein level) (PubMed:29899519). Detected in liver (PubMed:10698685). Detected in white fat tissue and placenta (PubMed:10866690). Expressed at high levels in the placenta, heart, liver, muscle, pancreas and lung but expressed poorly in the brain and kidney.

Anti-ANGPTL4 Antibody (Coiled-coil domain, clone Kairos4-397G) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-ANGPTL4 Antibody (Coiled-coil domain, clone Kairos4-397G) - Images