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

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18494

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9BY76
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Names	Kairos4-397G
Calculated MW	45214
Concentration (mg/ml)	1 mg/ml

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.

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.

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