

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
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

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 Cytometry](#)
- [Cell Culture](#)

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