

**Anti-ANGPTL4 Reference Antibody (Nanyang Tech.U. patent anti-ANGPTL4)
Recombinant Antibody
Catalog # APR10783**

Specification

Anti-ANGPTL4 Reference Antibody (Nanyang Tech.U. patent anti-ANGPTL4) - Product Information

Application	FC, E, FTA
Primary Accession	Q9BY76
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	150 KDa

Anti-ANGPTL4 Reference Antibody (Nanyang Tech.U. patent anti-ANGPTL4) - Additional Information

Target/Specificity
ANGPTL4

Endotoxin
< 0.001EU/ µg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-ANGPTL4 Reference Antibody (Nanyang Tech.U. patent anti-ANGPTL4) - 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

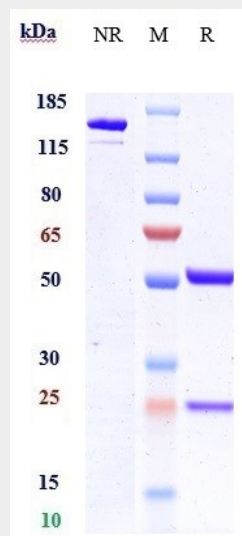
Detected in blood plasma (at protein level) (PubMed:29899519). Detected in liver (PubMed:10698685). Detected in white fat tissue and placenta (PubMed:10866690). Expressed at high levels in the placenta, heart, liver, muscle, pancreas and lung but expressed poorly in the brain and kidney.

Anti-ANGPTL4 Reference Antibody (Nanyang Tech.U. patent anti-ANGPTL4) - Protocols

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

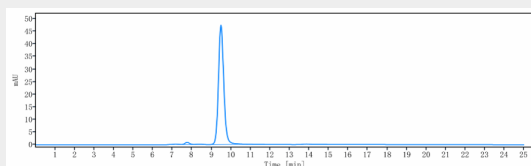
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ANGPTL4 Reference Antibody (Nanyang Tech.U. patent anti-ANGPTL4) - Images



Anti-ANGPTL4 Reference Antibody (Nanyang Tech.U. patent anti-ANGPTL4) on SDS-PAGE under

reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-ANGPTL4 Reference Antibody (Nanyang Tech.U. patent anti-ANGPTL4) is more than 98.6% ,determined by SEC-HPLC.