

## Product datasheet for **AP50178PU-N**

### Angiopoietin like 4 (ANGPTL4) (Center) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western blotting:</b> 1/50 - 1/100. <b>Immunohistochemistry:</b> 1/50 - 1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 145~175 amino acids from the Center region of human ANGPTL4
Specificity:	This antibody reacts to ANGPTL4.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	angiopoietin like 4
Database Link:	<a href="#">Entrez Gene 57875 Mouse</a> <a href="#">Entrez Gene 51129 Human</a> <a href="#">Q9BY76</a>



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**Background:** ANGPTL4 is a member of the angiotensin/angiotensin-like gene family and encodes a glycosylated, secreted protein with a fibrinogen C-terminal domain. This protein is induced under hypoxic conditions in endothelial cells and is the target of peroxisome proliferation activators. The encoded protein is a serum hormone directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity and also acts as an apoptosis survival factor for vascular endothelial cells. The encoded protein may play a role in several cancers and it also has been shown to prevent the metastatic process by inhibiting vascular activity as well as tumor cell motility and invasiveness. Decreased expression of this protein has been associated with type 2 diabetes.

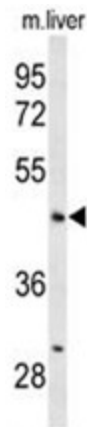
**Synonyms:** Angiotensin-related protein 4, Angiotensin-like 4, ARP4, HFARP, PGAR, Fasting-induced adipose factor

**Note:** **Molecular Weight:** 45214 Da

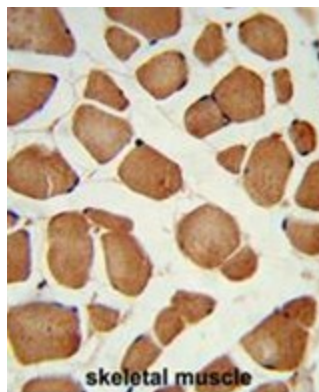
**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** PPAR signaling pathway

### Product images:

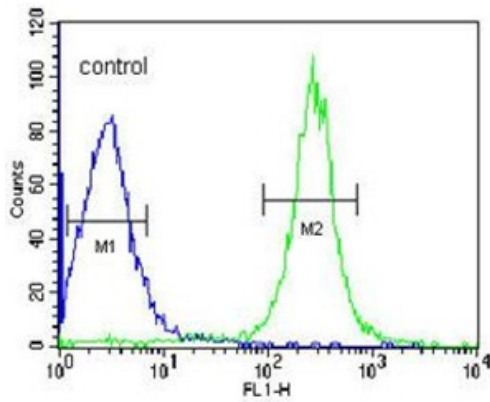


Western blot analysis of ANGPTL4 Antibody (Center) in mouse liver tissue lysates (35ug/lane). ANGPTL4 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human skeletal muscle reacted with ANGPTL4 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

## HepG2



ANGPTL4 Antibody (Center) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.