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# ANGPTL8 Rabbit pAb

ANGPTL8 Rabbit pAb Catalog # AP55296

#### **Product Information**

**Application** IHC-P, IHC-F, IF

Primary Accession

Reactivity

Human

Host

Clonality

Polyclonal

Calculated MW

Physical State

Q6UXH0

Human

Pabbit

Polyclonal

22105

Liquid

**Immunogen** KLH conjugated synthetic peptide derived from human C19orf80

Epitope Specificity 31-198/198

**Isotype** IgG

**Purity** affinity purified by Protein A

**Buffer** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Secreted.

**SIMILARITY** Belongs to the ANGPTL8 family. **SUBUNIT** Interacts with ANGPTL3.

**Post-translational** Proteolytically cleaved at the N-terminus.

modifications

DISEASE

Diabetes mellitus, insulin-dependent (IDDM) [MIM:222100]: A multifactorial disorder of glucose homeostasis that is characterized by susceptibility to

disorder of glucose homeostasis that is characterized by susceptibility to ketoacidosis in the absence of insulin therapy. Clinical features are polydipsia, polyphagia and polyuria which result from hyperglycemia-induced osmotic dieresis and secondary thirst. These derangements result in long-term complications that affect the eyes, kidneys, nerves, and blood vessels. {ECO:0000305|PubMed:24078058}. Note=The gene represented in this entry may be involved in disease pathogenesis. Increased protein levels are observed in the serum of patients. This result should however be reinvestigated in light of recent advances that suggest that this protein is not promoting pancreatic beta cell proliferation. Diabetes mellitus, non-insulin-dependent (NIDDM) [MIM:125853]: A multifactorial disorder of glucose homeostasis caused by a lack of sensitivity to the body's own insulin. Affected individuals usually have an obese body habitus and manifestations of a metabolic syndrome characterized by diabetes, insulin resistance, hypertension and hypertriglyceridemia. The disease results in long-term complications that affect the eyes, kidneys, nerves, and blood vessels. {ECO:0000305|PubMed:24852694, ECO:0000305|PubMed:24963292, ECO:0000305 | PubMed:25024395, ECO:0000305 | PubMed:25303484 }. Note=The gene represented in this entry may be involved in disease pathogenesis. Increased protein levels are observed in the serum of patients and are associated with insulin resistance (PubMed:25024395, PubMed:25303484, PubMed:24963292, PubMed:24852694). According to another report, protein levels are decreased in the serum of patients (PubMed:25050901). Discrepancies between increased and decreased levels of proteins levels in NIDDM patients may be explained by the use of different

kits developed on the market that either use antibodies recognizing the N-terminal or the C-terminal part of the protein (PubMed:25099942). These results should however be reinvestigated in light of recent advances that suggest that this protein is not promoting pancreatic beta cell proliferation. This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

**Background Descriptions** ANGPTL8 (Angiopoietin Like 8) is a Protein Coding gene. Diseases associated

with ANGPTL8 include Breast Angiosarcoma and Breast Sarcoma. Among its

related pathways are Lipoprotein metabolism and Metabolism.

#### **Additional Information**

**Important Note** 

**Gene ID** 55908

Other Names Angiopoietin-like protein 8 (ECO:0000312 | HGNC:HGNC:24933), Betatrophin,

Lipasin, Refeeding-induced fat and liver protein, ANGPTL8 (HGNC:24933)

**Target/Specificity** Predominantly expressed in liver. Also expressed in adipose tissues.

**Dilution** IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

**Storage** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

#### **Protein Information**

Name ANGPTL8 ( HGNC:24933)

**Function** Hormone that acts as a blood lipid regulator by regulating serum triglyceride

levels (PubMed: <u>22569073</u>, PubMed: <u>22809513</u>, PubMed: <u>23150577</u>). May be involved in the metabolic transition between fasting and refeeding: required to direct fatty acids to adipose tissue for storage in the fed state (By

to direct fatty acids to adipose dissue for storage in the fed state (by

similarity).

**Cellular Location** Secreted.

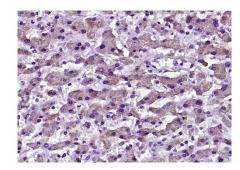
**Tissue Location** Predominantly expressed in liver. Also expressed in adipose tissues.

## **Background**

ANGPTL8 (Angiopoietin Like 8) is a Protein Coding gene. Diseases associated with ANGPTL8 include Breast Angiosarcoma and Breast Sarcoma. Among its related pathways are Lipoprotein metabolism and Metabolism.

### **Images**

Paraformaldehyde-fixed, paraffin embedded (human liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ANGPTL8) Polyclonal Antibody,



Unconjugated (AP55296) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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