

Anti-C19orf80 Picoband Antibody

Catalog # ABO12985

Specification

Anti-C19orf80 Picoband Antibody - Product Information

Application	WB
Primary Accession	<u>06UXH0</u>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	
Rabbit IgG polyclonal antibody for	Angiopoietin-like protein 8 (ANGPTL8) detection. Tested with WB
in Human.	

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-C19orf80 Picoband Antibody - Additional Information

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)

Calculated MW 22105 MW KDa

Application Details Western blot, 0.1-0.5 μg/ml, Human

Subcellular Localization Secreted .

Tissue Specificity Predominantly expressed in liver. Also expressed in adipose tissues. .

Contents Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen

E.coli-derived human C19orf80 recombinant protein (Position: A22-A198). Human C19orf80 shares 74% amino acid (aa) sequence identity with mouse C19orf80.

Purification Immunogen affinity purified.



Cross Reactivity No cross reactivity with other proteins.

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-C19orf80 Picoband Antibody - Protein Information

Name ANGPTL8 (HGNC:24933)

Function

Hormone that acts as a blood lipid regulator by regulating serum triglyceride levels (PubMed:22569073, PubMed:22809513, PubMed:22809513, PubMed:22809513, PubMed:22809513, PubMed:23150577). 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 similarity).

Cellular Location Secreted.

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

Anti-C19orf80 Picoband Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-C19orf80 Picoband Antibody - Images





Figure 1. Western blot analysis of C19orf80 using anti-C19orf80 antibody (ABO12985). Anti-C19orf80 Picoband Antibody - Background

ANGPTL8 (also known as lipasin, originally Betatrophin) is a protein that in humans is encoded by the C19orf80 gene. The gene for betatrophin lies on mouse chromosome 9 (gene symbol: Gm6484) and on human chromosome 19 (gene symbol: C19orf80). The encoded 22 kDa protein contains an N-terminal secretion signal and two coiled-coil domains and is a member of the angiopoietin-like (ANGPTL) protein family. However, in contrast to other ANGPTL proteins, betatrophin lacks the C-terminal fibrinogen-like domain, and therefore it is an atypical member of the ANGPTL family. It shares with Angptl4 and Angptl3 the ability to inhibit the enzyme Lipoprotein lipase (LPL), and its hepatic overexpression causes elevation of circulating Triglyceride levels in mice. In mice betatrophin is secreted by the liver. It was hoped that betatrophin or its homolog in humans may provide an effective treatment for type 2 diabetes and perhaps even type I diabetes.