10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-C19orf80 Picoband Antibody

Catalog # ABO12985

Product Information

Application	WB
Primary Accession	Q6UXH0
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.

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
Application Details	Western blot, 0.1-0.5 □g/ml, Human
Subcellular Localization	Secreted .
Tissue Specificity	Predominantly expressed in liver. Also expressed in adipose tissues. .
Source	Eukaryota
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.

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: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.

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.

Images

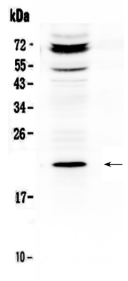

Figure 1. Western blot analysis of C19orf80 using anti-C19orf80 antibody (ABO12985).

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