

Datasheet for 600-401-Z57**Betatrophin Antibody****Overview**

Description:	Anti-Betatrophin (RABBIT) Antibody - 600-401-Z57
Item No.:	600-401-Z57
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The Betatrophin protein, also known as the hepatocellular carcinoma-associated protein TD26, is an adipocyte- and liver-enriched insulin targeted gene that is thought to play a role in lipid metabolism by regulating serum triglyceride levels (1,2). Betatrophin is closely related to the angiopoietin-like (ANGPTL) protein family. Betatrophin mRNA increases in the cold environment and after treatment with a high-fat diet, while its mRNA levels decrease in response to fasting, suggesting that it may play a role in mediating thermogenesis and energy homeostasis (3).
Synonyms:	Betatrophin Antibody, RIFL, TD26, ANGPTL8, PRO1185, PVPA599, Angptl8, Lipasin, Refeeding-induced fat and liver protein, UNQ599/PRO1185, Betatrophin, Angiopoietin-like protein 8, C19orf80
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ANGPTL8
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Betatrophin antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the N-terminus of human Betatrophin.

Purity/Specificity: Anti-Betatrophin antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Betatrophin antibody is human, mouse and rat reactive. At least three isoforms of Betatrophin are known to exist; this antibody will detect the two largest isoforms.

Relevant Links:

- [UniProtKB - Q6UXH0](#)
- [GeneID - 55908](#)
- [NCBI - NP_061157](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-Betatrophin Antibody has been tested for use in ELISA, Western Blotting, immunofluorescence, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 22 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1 - 2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

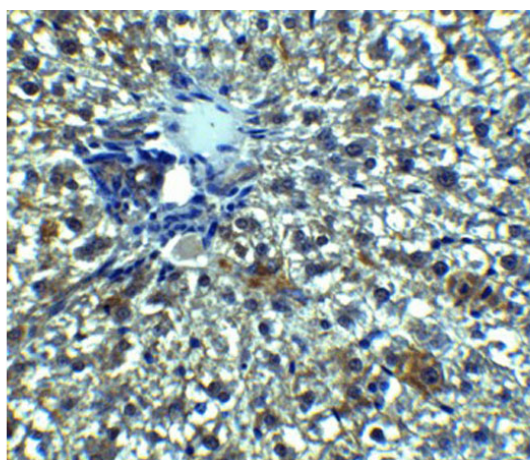
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

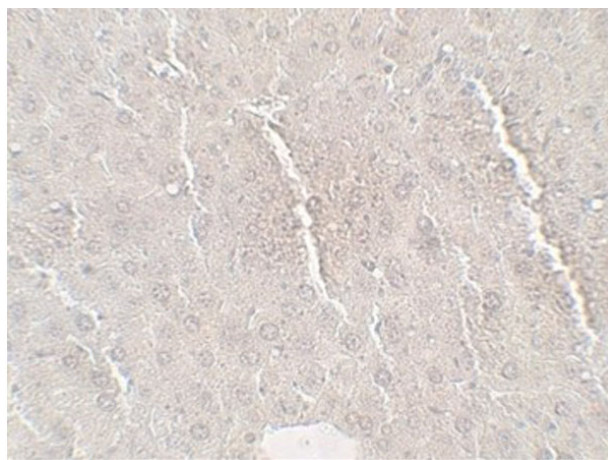


Immunohistochemistry

Immunohistochemistry of Betatrophin.

Tissue: rat liver tissue.

Primary Antibody: Betatrophin Antibody at 5 µg/mL.

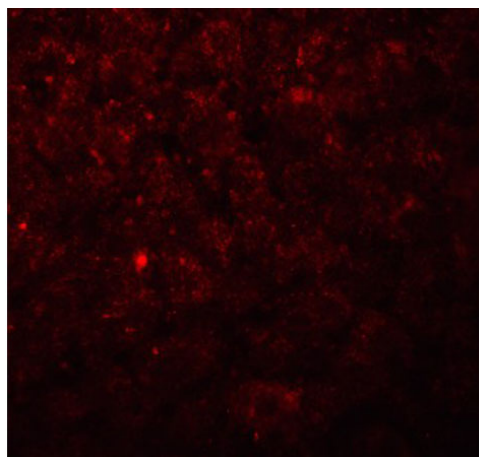


Immunohistochemistry

Immunohistochemistry of Betatrophin.

Tissue: mouse liver tissue.

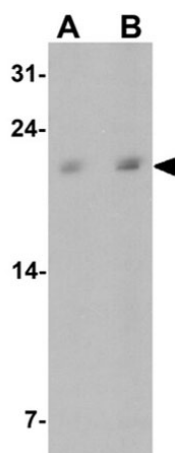
Primary Antibody: Betatrophin antibody at 5 µg/mL.

**Immunofluorescence Microscopy**

Immunofluorescence of Betatrophin.

Tissue: rat liver tissue.

Primary Antibody: Betatrophin Antibody at 20 µg/mL.

**Western Blot**

Western blot of Betatrophin.

Load: rat liver tissue lysate.

Primary Antibody: Betatrophin antibody at (A) 1 and (B) 2 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.