

Datasheet for 600-401-Y15**ANGPTL3 Antibody****Overview**

Description:	Anti-ANGPTL3 (RABBIT) Antibody - 600-401-Y15
Item No.:	600-401-Y15
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The angiopoietin-related protein 3 (ANGPTL3) is a member of a family of secreted proteins that function in angiogenesis (1). ANGPTL3 is processed into an N-terminal coiled-coil domain-containing chain and a C-terminal fibrinogen chain. The N-terminal chain is important for lipid metabolism, while the C-terminal chain may be involved in angiogenesis (2,3). Recent experiments have shown that a deficiency of ANGPTL3 is associated with increased insulin sensitivity, lipoprotein lipase activity, and decreased serum free fatty acids, suggesting that ANGPTL3 may also play a role in modulating glucose metabolism (4).
Synonyms:	ANGPTL3 Antibody, ANL3, ANG-5, FHBL2, ANGPT5, UNQ153/PRO179, Angiopoietin-related protein 3, Angiopoietin-5
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ANGPTL3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ANGPTL3 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human ANGPTL3.

Purity/Specificity: Anti-ANGPTL3 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. ANGPTL3 antibody is human, mouse and rat reactive. ANGPTL3 antibody is predicted not to cross-react with other ANGPTL family proteins.

Relevant Links:

- [600-401-Y15 SDS](#)
- [UniProtKB - Q9Y5C1](#)
- [GeneID - 27329](#)
- [NCBI - NP_055310](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-ANGPTL3 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 54 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

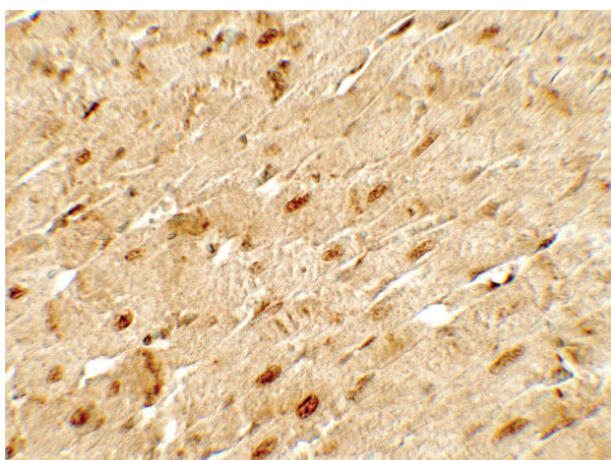
Shipping & Handling

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.

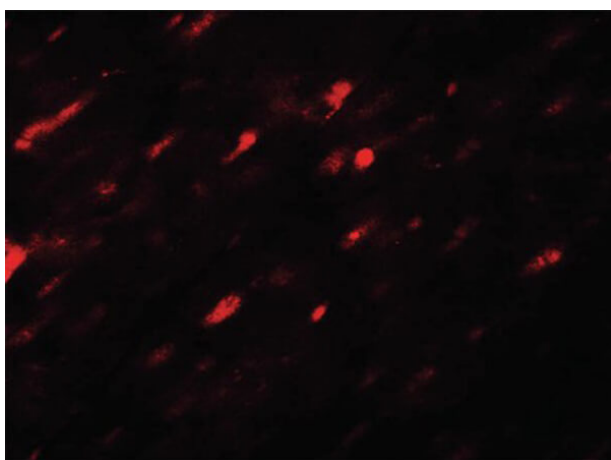
Expiration: Expiration date is one (1) year from date of receipt.

Images



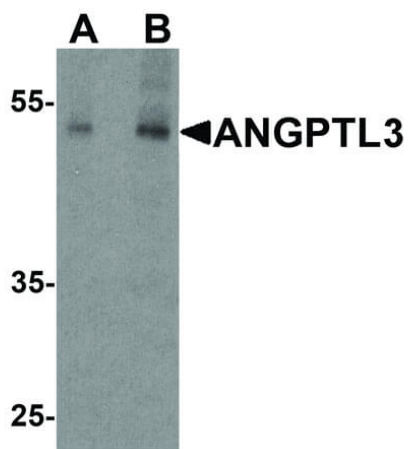
Immunohistochemistry

Immunohistochemistry of Rabbit anti-ANGPTL3 antibody. Tissue: rat heart. Primary antibody: ANGPTL3 antibody at 5 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: ANGPTL3 is secreted. Staining: ANGPTL3 as precipitated brown signal.



Immunofluorescence Microscopy

Immunofluorescence Microscopy of Rabbit anti-ANGPTL3 antibody. Tissue: rat heart. Primary antibody: ANGPTL3 antibody at 20 µg/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: ANGPTL3 is secreted. Staining: ANGPTL3 as red fluorescent signal.

**Western Blot**

Western Blot of Rabbit anti-ANGPTL3 antibody. Lane A: human heart tissue lysate at 1 µg/mL. Lane B: human heart tissue lysate at 2 µg/mL. Primary antibody: ANGPTL3 antibody overnight at 4°C. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 51 kDa, 53 kDa for MFN2.

References

- Forster K et al. Early identification of bronchopulmonary dysplasia using novel biomarkers by proteomic screening. *Am J Respir Crit Care Med.* (2018)

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.