

Datasheet for 600-401-Y45**Apolipoprotein A-V Antibody****Overview**

Description:	Anti-Apolipoprotein A-V (RABBIT) Antibody - 600-401-Y45
Item No.:	600-401-Y45
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Chicken
Host Species:	Rabbit

Product Details

Background:	Apolipoprotein A-V is a protein coded by the APOA5 gene, which is highly expressed in the liver. This protein is responsible for binding to lipids in the liver and forming lipoproteins. In recent years, the gene has been used as a marker for measuring cardiovascular health as well as metabolic syndromes. The protein plays an important role in plasma triglyceride (lipid) regulation within the body. Although only expressed in the liver, APOA5 has functions both inside and outside of cells, as well as modulating triglyceride homeostasis in areas like the gut. Mutations in the APOA5 gene have up to 3 times the risk for the development of cardiovascular disease in association studies. Dietary studies support this lack of metabolic regulation by showing that any mutation in APOA5 will result in higher triglyceride levels than control groups when dieting.
Synonyms:	ApoA5 Antibody,
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	APOA5
Reactivity:	Human, Chicken
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-ApoA5 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the C-terminus of chicken ApoA5.
Purity/Specificity:	Anti-ApoA5 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with ApoA5 from other sources has not been determined.
Relevant Links:	• GeneID - 419802 • NCBI - XP_417939

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-ApoA5 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 40 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
WB:	1 µg/mL

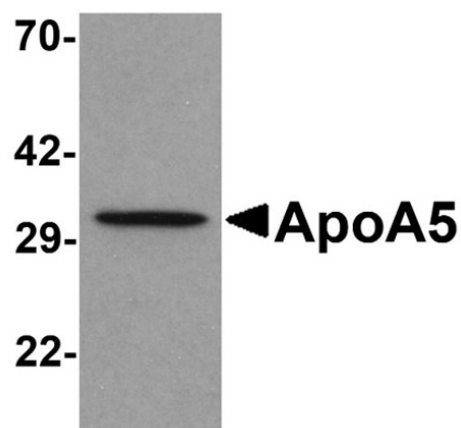
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 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



Western Blot

Western blot analysis of Apolipoprotein A-V.

Load: human liver tissue lysate.

Primary Antibody: ApoA5 antibody at 1 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.