

Datasheet for 600-401-Y48**APOLIPOPROTEIN E Antibody****Overview**

Description:	Anti-Apolipoprotein E (RABBIT) Antibody - 600-401-Y48
Item No.:	600-401-Y48
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Chylomicron remnants and very low density lipoprotein (VLDL) remnants are rapidly removed from the circulation by receptor-mediated endocytosis in the liver. Apolipoprotein E (APO-E), a main apoprotein of the chylomicron, binds to a specific receptor on liver cells and peripheral cells and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. Defects in APO-E result in familial dysbetalipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants.
Synonyms:	APO-E Antibody, AD2, LPG, LDLCQ5, Apolipoprotein E, Apo-E
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	APOE
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-APO-E antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the C-terminus of human APO-E.

Purity/Specificity: Anti-APO-E Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with APO-E from other sources has not been determined.

Relevant Links:

- [UniProtKB - P02649](#)
- [GeneID - 348](#)
- [NCBI - NP_000032](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-APO-E 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 36 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 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

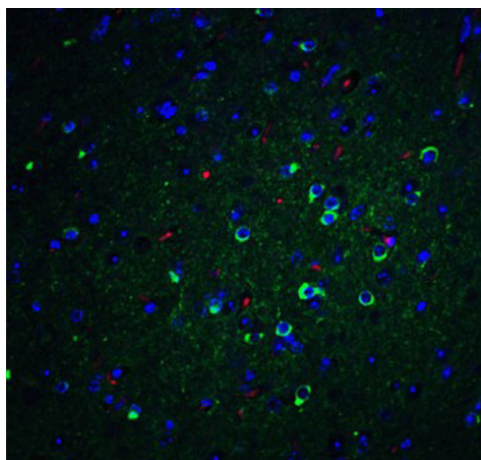
Shipping & Handling

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.

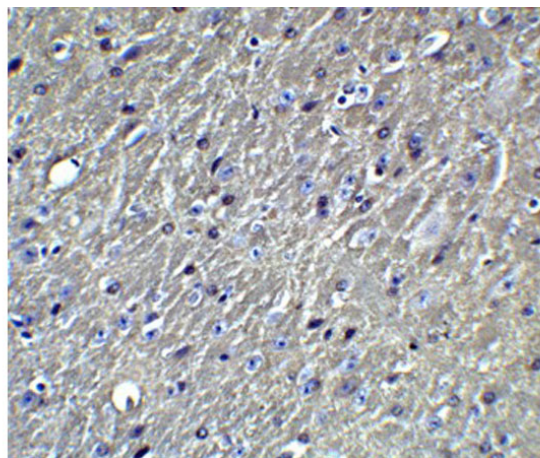
Images**Immunofluorescence Microscopy**

Immunofluorescence of Apolipoprotein E.

Tissue: mouse brain tissue.

Primary Antibody: APO E Antibody at 20 µg/mL.

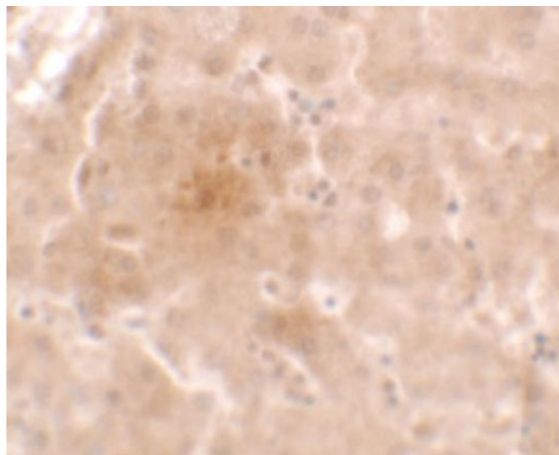
Staining: APO E antibody (green); Phalloidin staining (red);
DAPI staining (blue).

**Immunohistochemistry**

Immunohistochemistry of Apolipoprotein E.

Tissue: mouse brain tissue.

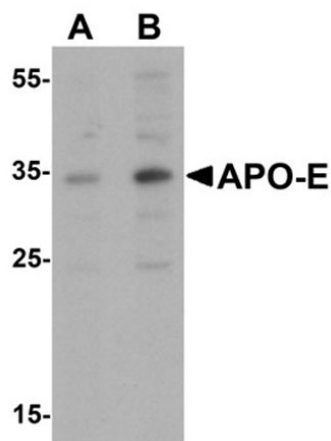
Primary Antibody: APO E Antibody at 5 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of Apolipoprotein E.

Tissue: human liver tissue.

Primary Antibody: APO-E antibody at 2.5 µg/mL.

**Western Blot**

Western blot analysis of Apolipoprotein E.

Load: human brain tissue lysate.

Primary Antibody: APO-E antibody at (A) 0.5 and (B) 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.