

Datasheet for 600-401-FT7**UBIAD1 Antibody****Overview**

Description:	Anti-UBIAD1 (RABBIT) Antibody - 600-401-FT7
Item No.:	600-401-FT7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The UbiA prenyltransferase domain containing 1 (UBIAD1) protein , also known as TERE1, was initially identified as a down-regulated gene in transitional cell carcinoma of the bladder (1). Recently it has been shown to bind the cholesterol carrier APOE and modulate cellular cholesterol levels (2). Mutations in the UBIAD1 gene can cause Schnyder crystalline corneal dystrophy, an autosomal dominant disease characterized by progressive opacification of the cornea resulting from the local accumulation of lipids (3).
Synonyms:	UBIAD1 Antibody, SCCD, TERE1, UbiA prenyltransferase domain-containing protein 1, Transitional epithelial response protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	UBIAD1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-UBIAD1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid peptide near the C-terminus of human UBIAD1.

Purity/Specificity: Anti-UBIAD1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. UBIAD1 antibody is human, mouse and rat reactive.

Relevant Links:

- [UniProtKB - P29597](#)
- [GeneID - 7297](#)
- [NCBI - NP_003322](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-UBIAD1 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 37 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

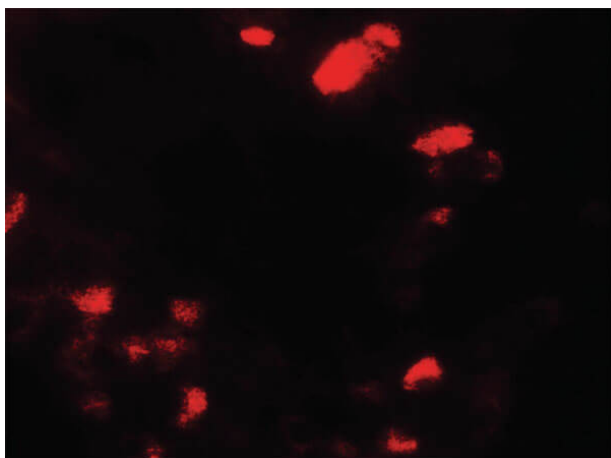
Shipping & Handling

Shipping Condition: Dry Ice

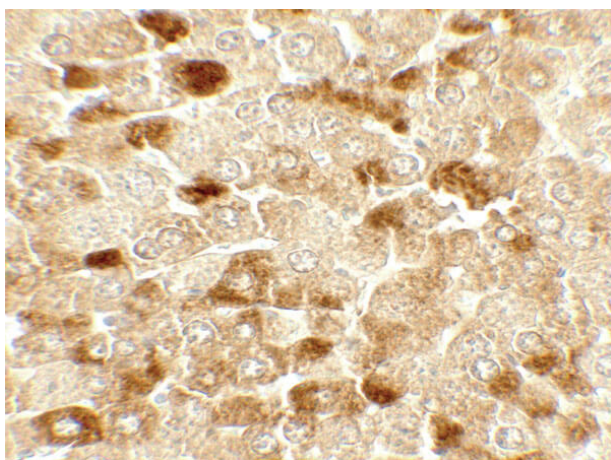
Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted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

Expiration:

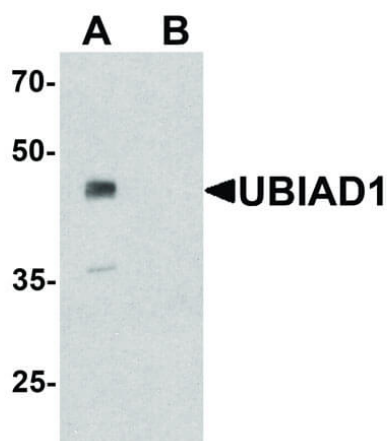
Expiration date is one (1) year from date of receipt.

Images**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of Rabbit anti-UBIAD1 antibody. Tissue: mouse liver. Primary antibody: UBIAD1 antibody at 20 µg/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: UBIAD1 is cytoplasmic and nuclear. Staining: UBIAD1 as red fluorescent signal.

**Immunohistochemistry**

Immunohistochemistry of Rabbit anti-UBIAD1 antibody. Tissue: mouse liver. Primary antibody: UBIAD1 antibody at 5 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: UBIAD1 is cytoplasmic and nuclear. Staining: UBIAD1 as precipitated brown signal.

**Western Blot**

Western Blot of Rabbit anti-UBIAD1 antibody. Lane A: mouse liver tissue lysate in absence of blocking peptide. Lane B: mouse liver tissue lysate in presence of blocking peptide. Primary antibody: UBIAD1 antibody at 1 µg/mL which can be stored overnight at 4°C. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 37 kDa, 45 kDa for UBIAD1.

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.