

**Datasheet for 600-401-FU0****UEV1A Antibody****Overview**

|                      |                                            |
|----------------------|--------------------------------------------|
| <b>Description:</b>  | Anti-UEV1A (RABBIT) Antibody - 600-401-FU0 |
| <b>Item No.:</b>     | 600-401-FU0                                |
| <b>Size:</b>         | 100 µg                                     |
| <b>Applications:</b> | ELISA, WB                                  |
| <b>Reactivity:</b>   | Human, Mouse, Rat                          |
| <b>Host Species:</b> | Rabbit                                     |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Ubiquitin-conjugating enzyme E2 (UEV1) was initially discovered as a protein similar in sequence and structure to the E2 ubiquitin-conjugating enzymes but lacking their enzymatic activity. There are at least two variants and multiple isoforms of UEV1. In particular, UEV1A (Ubiquitin-conjugating enzyme E2 variant 1 isoform A) has recently been shown to be an important component of the Toll-like receptor and IL-1R signaling pathway. Signals from these pathways are relayed by a number of downstream molecules such as MyD88 and tumor necrosis factor receptor associated factor (TRAF6), ultimately activating various kinases and transcription factors. UEV1A is part of a dimeric ubiquitin-conjugating enzyme complex also containing Ubc13 (ubiquitin-conjugating enzyme 13) that together with TRAF6 activates TAK1, a member of the mitogen-activated protein kinase kinase kinase family. The Ubc13-UEV1A complex also mediates the Lys-63 ubiquitination of TRAF-6, and this ubiquitination is essential for TAK1 activation. |
| <b>Synonyms:</b>     | UEV1A Antibody, CIR1, UEV1, CROC1, UBE2V, UEV-1, UEV1A, CROC-1, P/OKcl.19, Ubiquitin-conjugating enzyme E2 variant 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**Target Details**

|                    |                   |
|--------------------|-------------------|
| <b>Gene Name:</b>  | UBE2V1            |
| <b>Reactivity:</b> | Human, Mouse, Rat |

|                            |                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen Type:</b>     | Conjugated Peptide                                                                                                                                                             |
| <b>Immunogen:</b>          | Anti-UEV1A antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to 15 amino acids near the C-terminus of human UEV1A. |
| <b>Purity/Specificity:</b> | Anti-UEV1A Antibody is purified by ion exchange chromatography. Anti-UEV1A may also recognize other isoforms of UEV1A.                                                         |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q13404</a></li><li>• <a href="#">GeneID - 387522</a></li><li>• <a href="#">NCBI - NP_001027459.1</a></li></ul> |

## Application Details

|                             |                                                                                                                                                                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | ELISA, WB                                                                                                                                                                                                                                       |
| <b>Application Note:</b>    | Anti-UEV1A 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 16 kDa in Western Blots of specific cell lysates and tissues. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                 |
| <b>ELISA:</b>               | 1:10,000 - 1:40,000                                                                                                                                                                                                                             |
| <b>WB:</b>                  | 1-4 µg/mL                                                                                                                                                                                                                                       |

## Formulation

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                               |
| <b>Concentration:</b>  | 1 mg/mL by UV absorbance at 280 nm                      |
| <b>Buffer:</b>         | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.02% (w/v) Sodium Azide                                |
| <b>Stabilizer:</b>     | None                                                    |

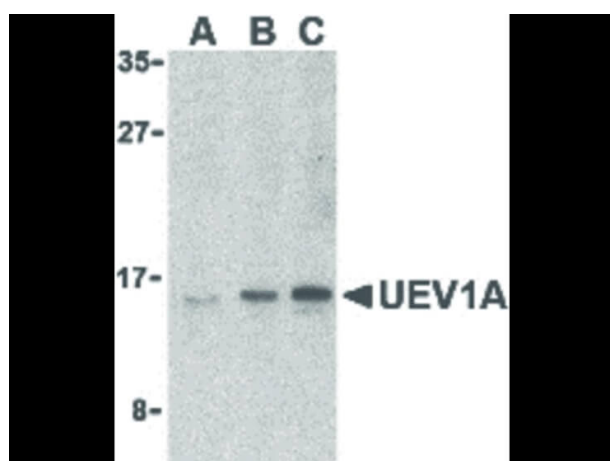
## Shipping & Handling

|                            |         |
|----------------------------|---------|
| <b>Shipping Condition:</b> | 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 of UEV1A antibody in Jurkat cell lysates. Lane A: UEV1A antibody at 1 µg/mL. Lane B: UEV1A antibody at 2 µg/mL. Lane C: UEV1A antibody at 4 µg/mL. Load: 35 µg per lane. Primary antibody: UEV1A antibody at designated concentrations for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 30 kDa, 16 kDa for UEV1A. Other band(s): UEV1A splice variants and isoforms.

## 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.