

Datasheet for 600-101-342**UBC13 Antibody****Overview**

Description:	Anti-UBC13 (GOAT) Antibody - 600-101-342
Item No.:	600-101-342
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Goat

Product Details

Background:	UBC13 is a member of the E2 ubiquitin-conjugating enzyme family also known as Ubiquitin-conjugating enzyme E2 N, Ubiquitin-protein ligase N, Ubiquitin carrier protein N and Bendless-like ubiquitin-conjugating enzyme. The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. UBC13 plays a role in cell cycle, differentiation, cell survival, and DNA repair. Anti-UBC13 Antibody is useful for researchers interested in Interferon gamma signaling, TLR4 signaling, RND binding, and ubiquitin protein activities.
Synonyms:	goat anti-UBC13 antibody, UBEN2, BLU, Ubch13, UBC 13, UbCH ben antibody, Ube 2N antibody, ubiquitin carrier protein N antibody, Ubiquitin conjugating enzyme E2N antibody, ubiquitin protein ligase N antibody, Ubiquitin-conjugating enzyme E2 N antibody
Host Species:	Goat
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	UBEN2
Reactivity:	Human

Immunogen Type:	Conjugated Peptide
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near amino acids 30-55 of human UBC13 protein.
Purity/Specificity:	This affinity-purified antibody is directed against human UBC13 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross reactivity with UBC13 protein from a broad range of sources including human, dog, bovine, <i>Xenopus laevis</i> , <i>Xenopus tropicalis</i> , , zebrafish, rat, mouse, chimpanzee, macaque and chicken based on 100% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.
Relevant Links:	• NCBI - 4507793 • UniProtKB - P61088 • GeneID - 7334

Application Details

Tested Applications:	ELISA, WB
Application Note:	This affinity purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 17 kDa in size corresponding to UBC13 protein by western blotting in the appropriate tissue or cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:25,000
WB:	1:500 - 1:2,000

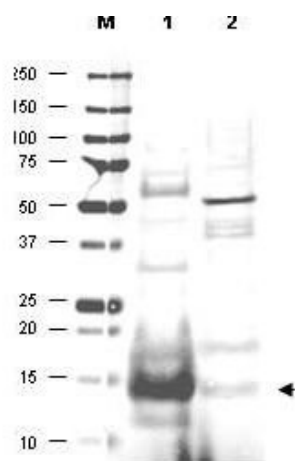
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.25 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (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 using Rockland's affinity purified anti-UBC13 antibody shows detection of UBC13 protein in human small intestine lysate (lane 1) but not in mouse thymus lysate (lane 2). The heavily stained band in lane 1 (arrowhead) indicates this particular gel was overloaded with protein. The identity of minor reactive bands is unknown but could represent E2 complexes. Each lane contains approximately 20 ug of lysate. Primary antibody was used at a 1:500 dilution. The membrane was washed and reacted with a 1:10,000 dilution of Alexa Fluor™ 680 conjugated Rb-a-Goat IgG. Molecular weight estimation was made by comparison to prestained MW markers indicated at the left (lane M). Other detection systems will yield similar results.

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.