

Datasheet for ABIN129560

anti-UBE2N antibody (AA 30-55)



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1 Image

Overview

Quantity:	100 µg
Target:	UBE2N
Binding Specificity:	AA 30-55
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This UBE2N antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	UBC13 Antibody
Immunogen:	<p>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.</p> <p>Immunogen Type: Conjugated Peptide</p>
Isotype:	IgG
Cross-Reactivity (Details):	This affinity-purified antibody is directed against human UBC13 protein.
Characteristics:	<p>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</p>
Purification:	The product was affinity purified from monospecific antiserum by immunoaffinity purification.

Product Details

Sterility: Sterile filtered

Target Details

Target: UBE2N

Alternative Name: UBC13 ([UBE2N Products](#))

Background: 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.

Gene ID: 7334, 4507793

UniProt: [P61088](#)

Pathways: [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#), [Positive Regulation of Response to DNA Damage Stimulus](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Application Notes: 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.

Western Blot Dilution: 1:500 - 1:2,000

ELISA Dilution: 1:5,000 - 1:25,000

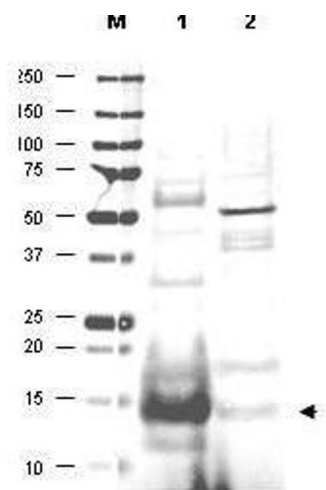
Other: User Optimized

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1.25 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western blot using 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.