Datasheet for ABIN501096

anti-UBE2N antibody (C-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	UBE2N
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UBE2N antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	UBC13 antibody was raised against a peptide corresponding to 15 amino acids near the C-terminus of human UBC13.
Isotype:	IgG
Specificity:	This antibody detects UBE2N / BLU.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Ion exchange chromatography

Target Details

Target:	UBE2N

Target Details

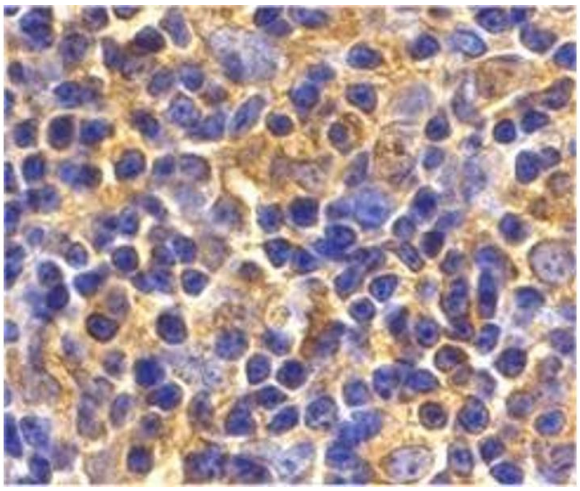
Abstract:	UBE2N Products
Background:	Ubiquitin-conjugating enzyme 13 (Ubc13) was initially discovered in S. cerevisiae as a DNA-damage inducible protein involved in the error-free DNA postreplication repair pathway (1). It has recently been shown to be an important component of the Toll-like receptor and IL-1R signaling pathway (reviewed in 2). 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 (2,3). Ubc13 is part of a dimeric ubiquitin-conjugating enzyme complex also containing UEV1A (ubiquitin-conjugating enzyme E2 variant 1) that together with TRAF6 activates TAK1, a member of the mitogen-activated protein kinase kinase kinase family (4-6). The Ubc13-UEV1A complex also mediates the Lys-63 ubiquitination of TRAF-6, and this ubiquitination is essential for TAK1 activation (5).Synonyms: Bendless-like ubiquitin-conjugating enzyme, UBC13, Ubiquitin carrier protein N, Ubiquitin-conjugating enzyme E2 N, Ubiquitin-protein ligase N
Gene ID:	7334
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:	ELISA. Western blot. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

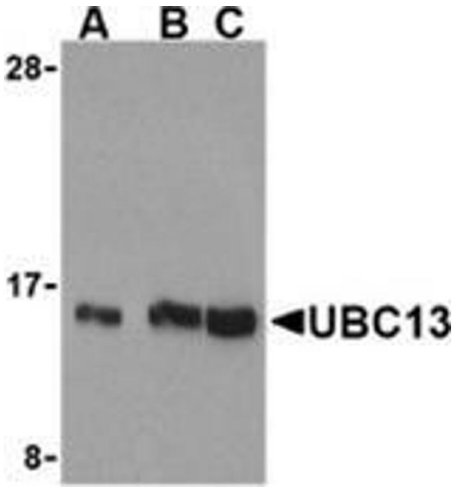
Handling

Buffer:	PBS containing 0.02 % 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of UBC13 in mouse thymus tissue with UBC13 antibody at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of UBC13 in human small intestine cell lysates with this product at (A) 0.5, (B) 1, and (C) 2 µg/ml.