

Anti-UBC13 UBE2N Antibody

Catalog Number: A02462-1

About UBE2N

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. It 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. 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. The Ubc13-UEV1A complex also mediates the Lys-63 ubiquitination of TRAF-6, and this ubiquitination is essential for TAK1 activation.

Overview

Product Name	Anti-UBC13 UBE2N Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-UBC13 UBE2N Antibody (Catalog # A02462-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	UBC13 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	UBC13 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P61088

Technical Details

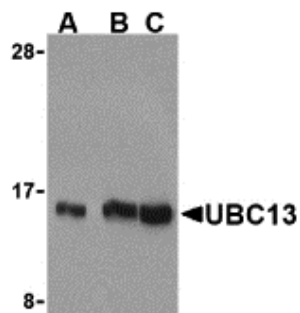
Immunogen	UBC13 antibody was raised against a peptide corresponding to 15 amino acids near the C-terminus of human UBC13. The immunogen is located within the last 50 amino acids of UBC13.
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	UBC13 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

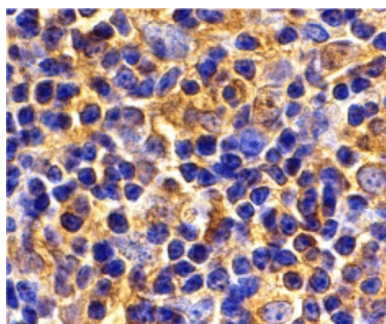
UBC13 antibody can be used for detection of UBC13 by Western blot at 0.5 to 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 10 ug/mL.

Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

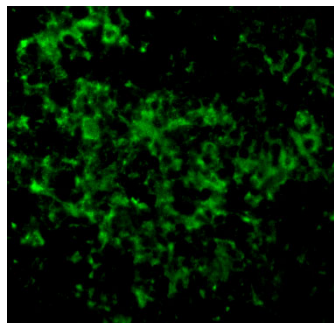
Anti-UBC13 UBE2N Antibody (A02462-1) Images



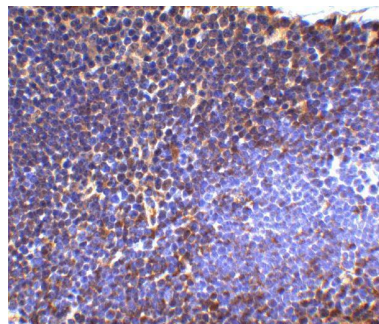
Western blot analysis of UBC13 in human small intestine cell lysates with UBC13 antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.



Immunohistochemistry of UBC13 in mouse thymus tissue with UBC13 antibody at 2 ug/mL.



Immunofluorescence of UBC13 in Mouse Thymus cells with UBC13 antibody at 10 ug/mL.



Immunohistochemistry of UBC13 in mouse thymus tissue with UBC13 antibody at 2.5 ug/ml.

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Anti-UBC13 UBE2N Antibody

For Research Use Only. Not for use in diagnostic procedures.