

Anti-Ube2N / Ubc13 antibody ab25885

★★★★★ [1 Abreviews](#) [4 References](#) [3 Images](#)

Overview

Product name	Anti-Ube2N / Ubc13 antibody
Description	Rabbit polyclonal to Ube2N / Ubc13
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human small intestine cell lysate. ICC/IF: Hep G2 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide
Purity	Affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab25885 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 18 kDa.
IHC-P		Use at an assay dependent concentration.
ICC/IF		Use a concentration of 5 µg/ml.

Target

Function

The UBE2V1-UBE2N and UBE2V2-UBE2N heterodimers catalyze the synthesis of non-canonical 'Lys-63'-linked polyubiquitin chains. This type of polyubiquitination does not lead to protein degradation by the proteasome. Mediates transcriptional activation of target genes. Plays a role in the control of progress through the cell cycle and differentiation. Plays a role in the error-free DNA repair pathway and contributes to the survival of cells after DNA damage. Acts together with the E3 ligases, HLTF and SHPRH, in the 'Lys-63'-linked poly-ubiquitination of PCNA upon genotoxic stress, which is required for DNA repair. Appears to act together with E3 ligase RNF5 in the 'Lys-63'-linked polyubiquitination of JKAMP thereby regulating JKAMP function by decreasing its association with components of the proteasome and ERAD.

Pathway

Protein modification; protein ubiquitination.

Sequence similarities

Belongs to the ubiquitin-conjugating enzyme family.

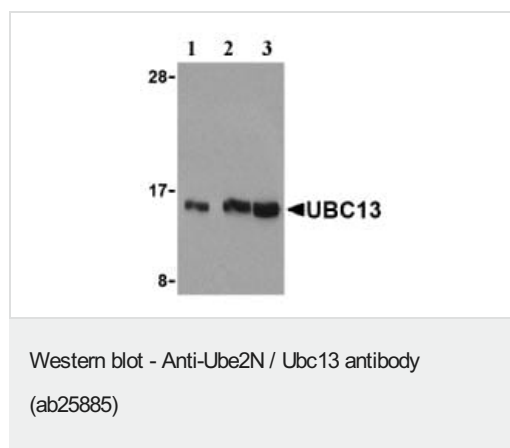
Post-translational modifications

Conjugation to ISG15 impairs formation of the thioester bond with ubiquitin but not interaction with UBE2V2.

Cellular localization

Nucleus. Cytoplasm.

Images



Lane 1 : Anti-Ube2N / Ubc13 antibody (ab25885) at 0.5 µg/ml

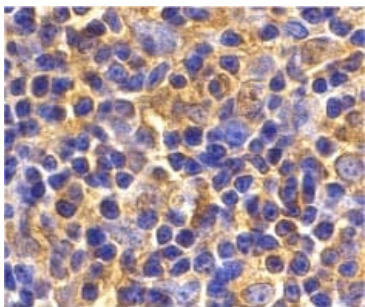
Lane 2 : Anti-Ube2N / Ubc13 antibody (ab25885) at 1 µg/ml

Lane 3 : Anti-Ube2N / Ubc13 antibody (ab25885) at 2 µg/ml

All lanes : Human small intestine cell lysates

Lysates/proteins at 15 µg per lane.

Predicted band size: 18 kDa



ab25885 at 2µg/ml staining UBe2N in mouse thymus tissue by IHC

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ube2N / Ubc13 antibody (ab25885)

Immunocytochemistry/ Immunofluorescence - Anti-Ube2N / Ubc13 antibody (ab25885)

ICC/IF image of ab25885 stained HepG2 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab25885, 5µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96899**, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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