


### Anti-Ube2N / Ubc13 antibody ab103019

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#### Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-Ube2N / Ubc13 antibody   |
| <b>Description</b>         | Rabbit polyclonal to Ube2N / Ubc13  |
| <b>Host species</b>        | Rabbit  |
| <b>Tested applications</b> | <b>Suitable for:</b> WB   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse, Rat, Human<br><b>Predicted to work with:</b> Chicken, Cow, Orangutan    |
| <b>Immunogen</b>           | Synthetic peptide corresponding to Human Ube2N/ Ubc13 aa 1-100 conjugated to keyhole limpet haemocyanin.<br>(Peptide available as <a href="#">ab113550</a> )  |
| <b>Positive control</b>    | This antibody gave a positive signal in Human Small Intestine, Mouse Testis and Rat Testis tissue lysates, and the following whole cell lysates: HeLa; HeLa Nuclear; HEK293; U20S; Jurkat; NIH3T3; PC12.  |
| <b>General notes</b>       | <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&amp;As</p> |

#### Properties

|                             |  |
|-----------------------------|--|
| <b>Form</b>                 | Liquid   |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.   |
| <b>Storage buffer</b>       | pH: 7.40<br>Preservative: 0.02% Sodium azide<br>Constituent: PBS<br><br>Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help. |

|                  |                             |
|------------------|-----------------------------|
| <b>Purity</b>    | Immunogen affinity purified |
| <b>Clonality</b> | Polyclonal                  |
| <b>Isotype</b>   | IgG                         |

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab103019 in the following tested applications.

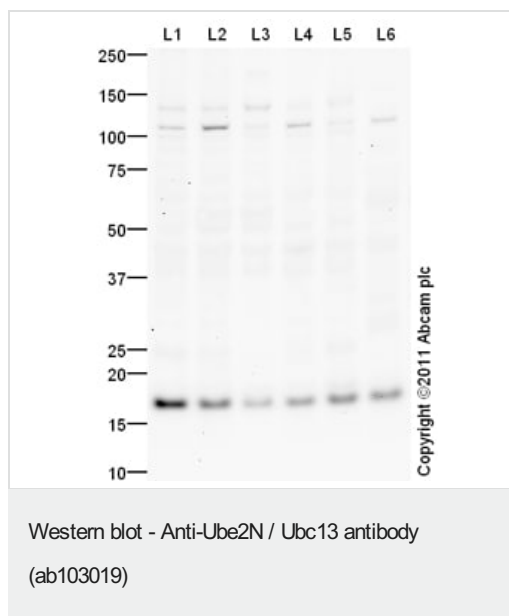
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes  |
|-------------|-----------|--|
| <b>WB</b>   |           | Use a concentration of 1 µg/ml. Detects a band of approximately 17 kDa (predicted molecular weight: 17 kDa). |

## Target

|   |  |
|---|--|
| <b>Function</b>                         | 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. |
| <b>Pathway</b>                          | Protein modification; protein ubiquitination.  |
| <b>Sequence similarities</b>            | Belongs to the ubiquitin-conjugating enzyme family.  |
| <b>Post-translational modifications</b> | Conjugation to ISG15 impairs formation of the thioester bond with ubiquitin but not interaction with UBE2V2.   |
| <b>Cellular localization</b>            | Nucleus. Cytoplasm.  |

## Images



**All lanes :** Anti-Ube2N / Ubc13 antibody (ab103019) at 1 µg/ml

**Lane 1 :** HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

**Lane 2 :** HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

**Lane 3 :** HeLa (Human epithelial carcinoma cell line) Nuclear Lysate

**Lane 4 :** U2OS (Human osteosarcoma cell line) Whole Cell Lysate

**Lane 5 :** Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate

**Lane 6 :** Human small intestine tissue lysate - total protein ([ab29276](#))

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

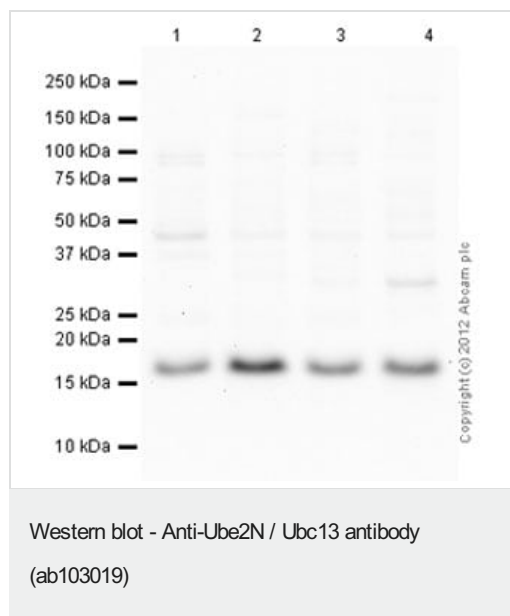
Performed under reducing conditions.

**Predicted band size:** 17 kDa

**Observed band size:** 17 kDa

**Additional bands at:** 110 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 16 minutes



**All lanes :** Anti-Ube2N / Ubc13 antibody (ab103019) at 1 µg/ml

**Lane 1 :** NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate

**Lane 2 :** Testis (Mouse) Tissue Lysate

**Lane 3 :** PC12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate

**Lane 4 :** Testis (Rat) Tissue Lysate - normal tissue ([ab29388](#))

Lysates/proteins at 10 µg per lane.

## Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 17 kDa

**Observed band size:** 17 kDa

**Additional bands at:** 32 kDa, 45 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 20 minutes

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

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