


Product datasheet

Anti-Ube2N / Ubc13 antibody [EPR5162] ab109286

Recombinant **RabMAb**

[4 References](#) [3 Images](#)

Overview

Product name	Anti-Ube2N / Ubc13 antibody [EPR5162]
Description	Rabbit monoclonal [EPR5162] to Ube2N / Ubc13
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human testis tissue. Jurkat, Daudi and Human heart lysates.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR5162

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab109286 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		1/1000 - 1/10000. Predicted molecular weight: 17 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

Application notes

Is unsuitable for Flow Cyt or IP.

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.

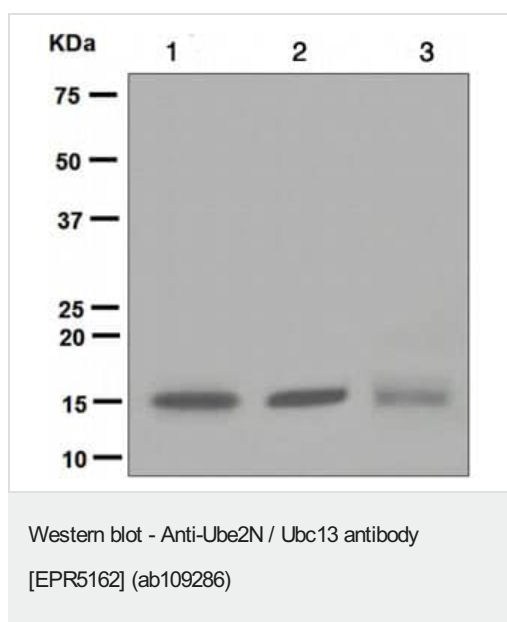
Post-translational modifications

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

Cellular localization

Nucleus. Cytoplasm.

Images



All lanes : Anti-Ube2N / Ubc13 antibody [EPR5162] (ab109286) at 1/1000 dilution

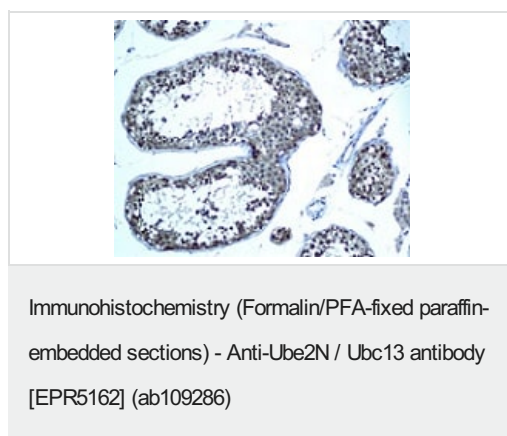
Lane 1 : Jurkat cell lysate

Lane 2 : Daudi cell lysate

Lane 3 : Human heart lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 17 kDa



Immunohistochemical analysis of paraffin-embedded Human testis tissue using ab109286 at 1/100 dilution.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Ube2N / Ubc13 antibody [EPR5162] (ab109286)

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

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