


Anti-Ube2N / Ubc13 antibody [EPR5162] - BSA and Azide free ab247818

Recombinant RabMAb

3 Images

Overview

| | |
|---------------------|---|
| Product name | Anti-Ube2N / Ubc13 antibody [EPR5162] - BSA and Azide free |
| Description | Rabbit monoclonal [EPR5162] to Ube2N / Ubc13 - BSA and Azide free |
| Host species | Rabbit |
| Tested applications | Suitable for: IHC-P, WB 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. |
| General notes | <p>ab247818 is the carrier-free version of ab109286.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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 +4°C. Do Not Freeze. |
| Storage buffer | pH: 7.2 Constituent: PBS |
| Carrier free | Yes |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR5162 |
| Isotype | IgG |

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab247818 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

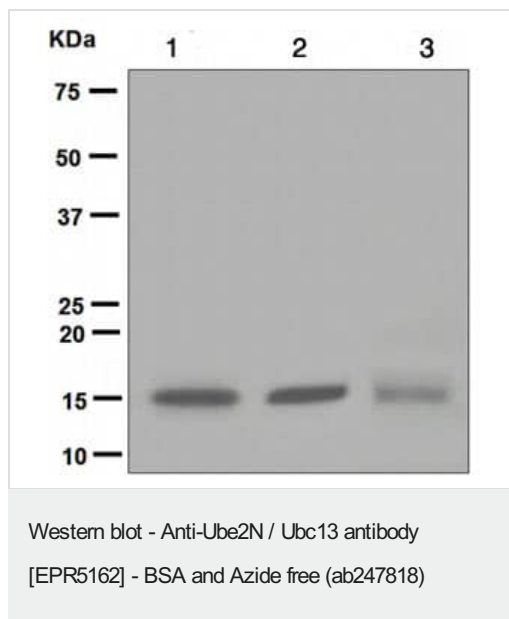
| Application | Abreviews | Notes |
|-------------|-----------|---|
| IHC-P | | Use at an assay dependent concentration. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. |
| WB | | Use at an assay dependent concentration. Predicted molecular weight: 17 kDa. |

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

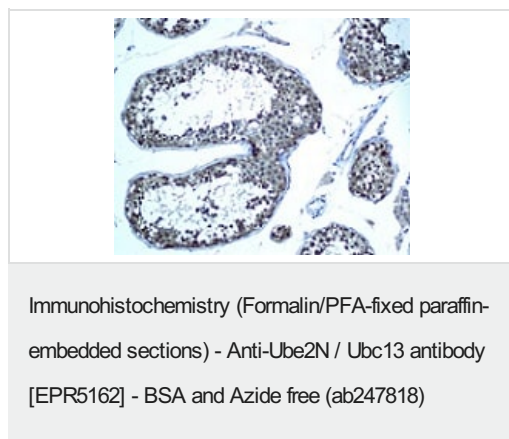
Lane 2 : Daudi cell lysate

Lane 3 : Human heart lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 17 kDa

This data was developed using **ab109286**, the same antibody clone in a different buffer formulation.



This data was developed using **ab109286**, the same antibody clone in a different buffer formulation. 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] - BSA and Azide free (ab247818)

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

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