


Product datasheet

Anti-UBC3B antibody ab4281

[1 References](#) [1 Image](#)

Overview

Product name	Anti-UBC3B antibody
Description	Goat polyclonal to UBC3B
Host species	Goat
Tested applications	Suitable for: IHC-P, WB, ELISA, Electron Microscopy
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide: AQQQMTSSQKALM, corresponding to N terminal amino acids 2-14 of Human UBC3B. Run BLAST with ExPASy Run BLAST with NCBI
General notes	Principal Names – UBE2R2; UBC3B; CDC34B; FLJ20419; MGC10481; ubiquitin-conjugating enzyme E2R 2; ubiquitin-conjugating enzyme UBC3B. Official Gene Symbol - UBE2R2. GenBank Accession Number – NP_060281. LocusLink ID - 54926 (human); 67615 (mouse). Gene Ontology terms - ubiquitin conjugating enzyme activity; ubiquitin-protein ligase activity; ubiquitin cycle; protein modification; ligase activity. An Ubiquitin-conjugating enzyme.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, 5mg/ml Tris, pH 7.3
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab4281** in the following tested applications.

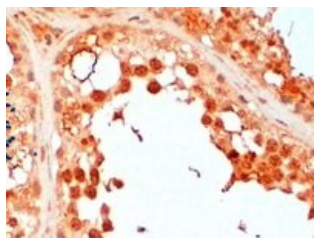
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 2 - 4 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Can be blocked with Human UBC3B peptide (ab23017) . No signal obtained yet but low background observed in Human Testis and U937 lysates at up to 1 µg/ml.
ELISA		Use at an assay dependent concentration. antibody detection limit dilution 1/4000.
Electron Microscopy		Use at an assay dependent concentration. This product stained chromatoid bodies in Rat spermatids.

Target

Function	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes monoubiquitination and 'Lys-48'-linked polyubiquitination. May be involved in degradation of katenin.
Pathway	Protein modification; protein ubiquitination.
Sequence similarities	Belongs to the ubiquitin-conjugating enzyme family.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UBC3B antibody (ab4281)

ab4281 (2µg/ml) shows staining of paraffin embedded Human Testis stains spermatocytes. Steamed antigen retrieval with citrate buffer pH 6 carried out and HRP-staining.

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