

#### **UK Office**

### **Everest Biotech Ltd**

Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD

UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326 Fax: +44 (0)1869 238327

### **US Office**

### **Everest Biotech c/o Abcore**

405 Maple Street, Suite A106 Ramona,

CA 92065 USA

Inquiries:

info@everestbiotech.com

Sales:

usasales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: 888-320-4628 (toll-free)

Fax: 888-841-9041

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

# EB05569 - Goat Anti-UBE2C / UBCH10 Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

**Principal Names:** UBE2C, UBCH10, dJ447F3.2, ubiquitin-conjugating enzyme E2C, ubiquitin-protein ligase C, ubiquitin carrier protein E2-C, cyclin-selective ubiquitin carrier protein, mitotic-specific ubiquitin-conjugating enzyme, RP3-447F3.1

Official Symbol: UBE2C

Accession Number(s): NP\_008950.1; NP\_861515.1; NP\_861516.1; NP\_861517.1;

NP\_861518.1; NP\_001268670.1

Human GeneID(s): 11065

**Important Comments:** This antibody is expected to recognise all reported isoforms.

Variants NP\_861517.1 and NP\_861518.1 encode the same isoform.

### **Immunogen**

Peptide with sequence C-QETYSKQVTSQEP, from the C Terminus of the protein sequence according to NP\_008950.1; NP\_861515.1; NP\_861516.1; NP\_861517.1; NP\_861518.1; NP\_001268670.1.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:32000.

**Western blot:** Approx.19KDa band observed in lysates of cell lines HeLa and HEK293 (calculated MW of 19.7kDa according to NP\_008950.1). Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of U2OS and MCF7 cells. Recommended concentration: 10µg/ml.

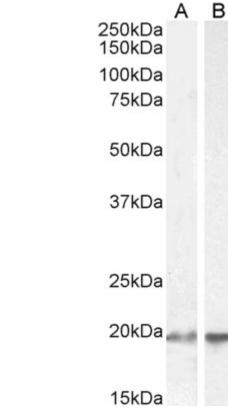
**Flow Cytometry:** Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

**Immunoprecipitation:** 20KDa band precipitated from mitotic HeLa whole cell lysates using protein-G dynabeads.

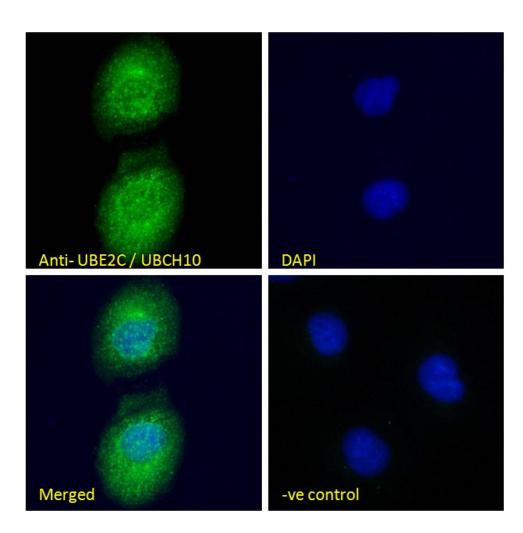
## **Species Reactivity**

Tested: Human

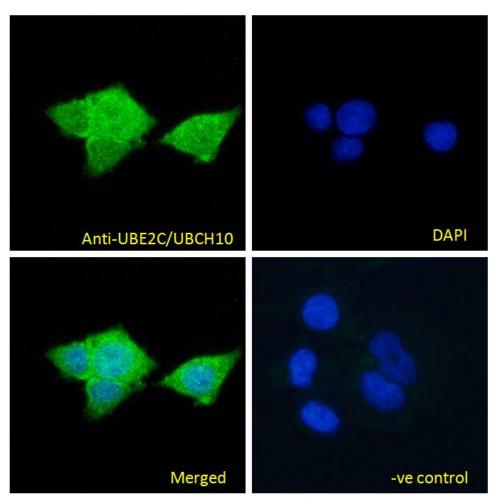
Expected from sequence similarity: Human



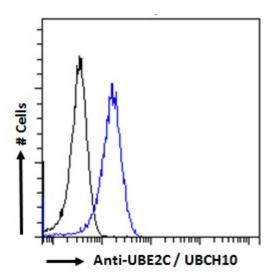
EB05569 (2µg/ml) staining of HEK293 (A) and HeLa (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB05569 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic /Plasma Membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



EB05569 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



EB05569 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.