

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB05569-T - Goat Anti-UBE2C / UBCH10 Antibody - Trial

Size: 20µg specific antibody in 40µl



### 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.

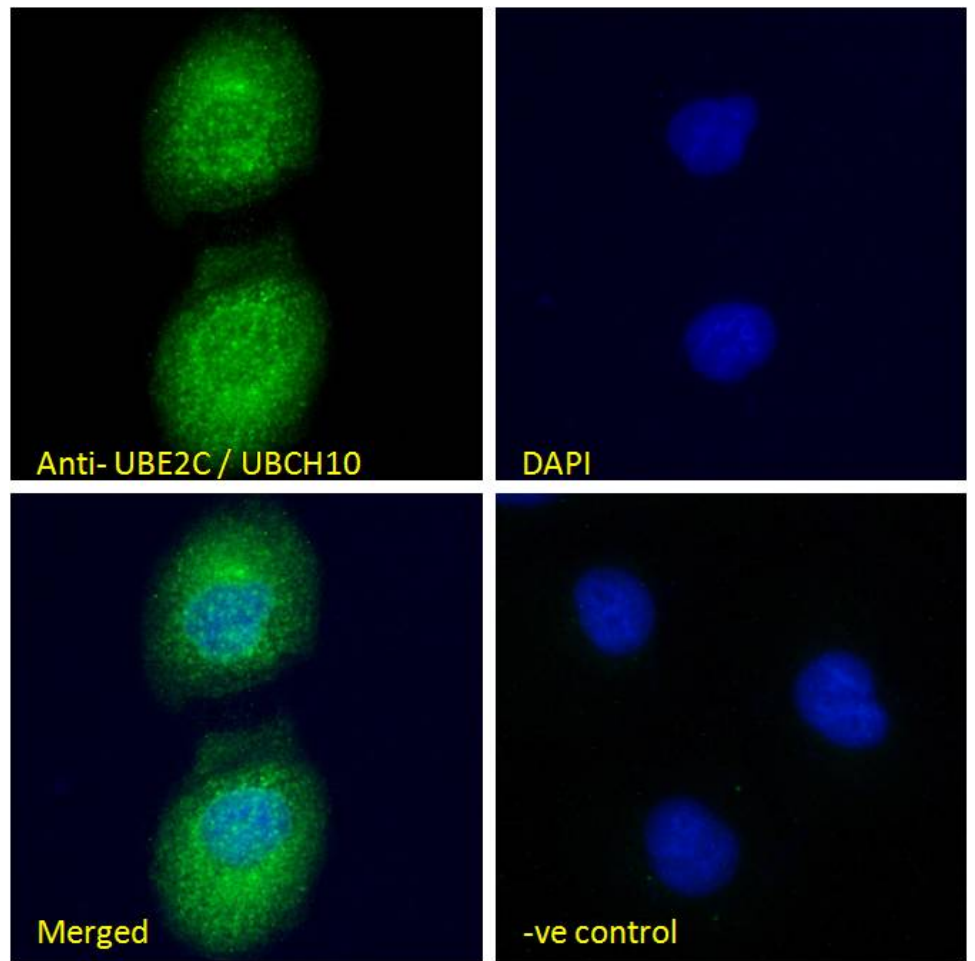
### Species Reactivity

**Tested:** Human

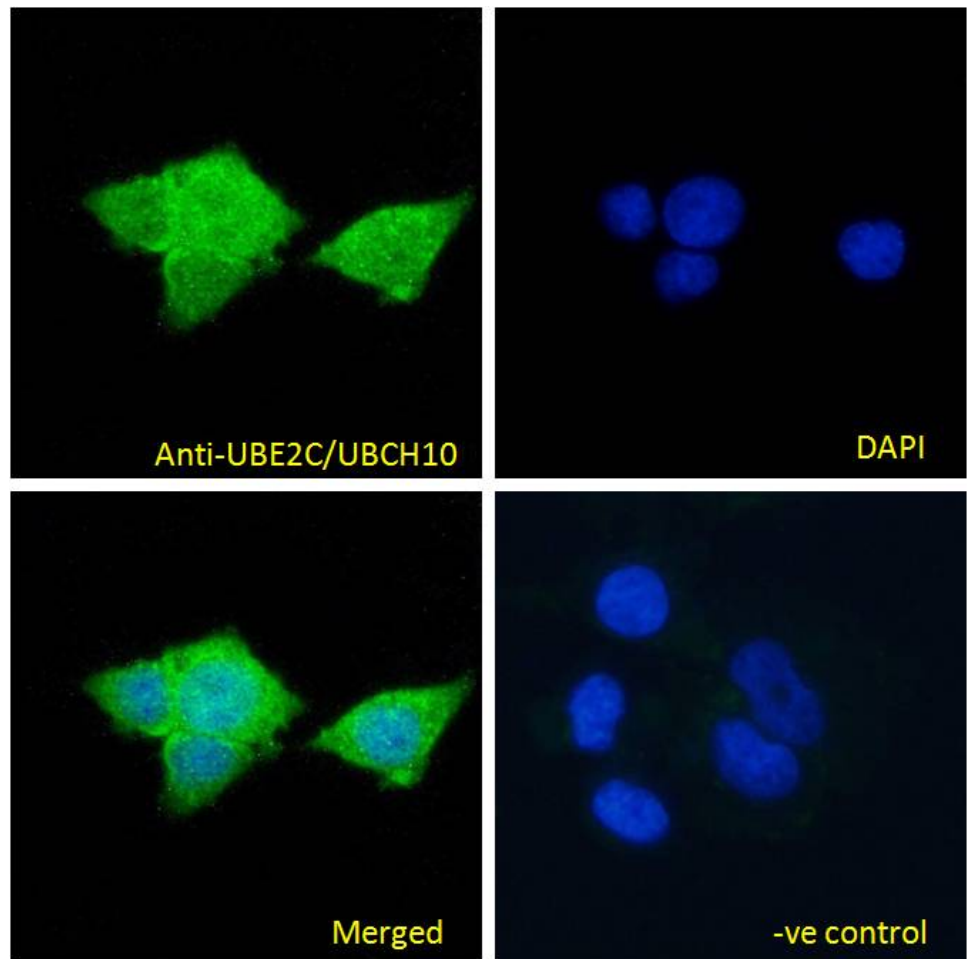
**Expected from sequence similarity:** Human



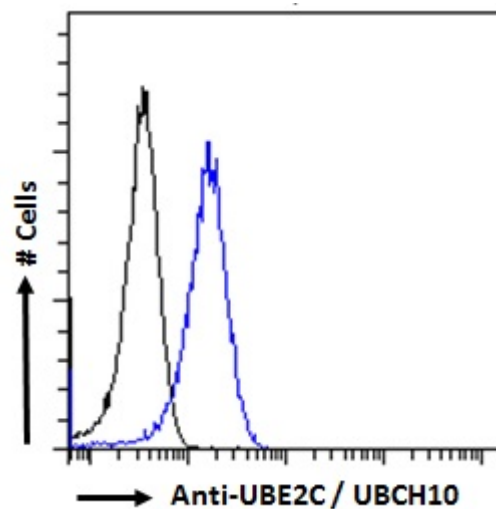
EB05569 (2 $\mu$ g/ml) staining of HEK293 (A) and HeLa (B) cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



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.