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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.

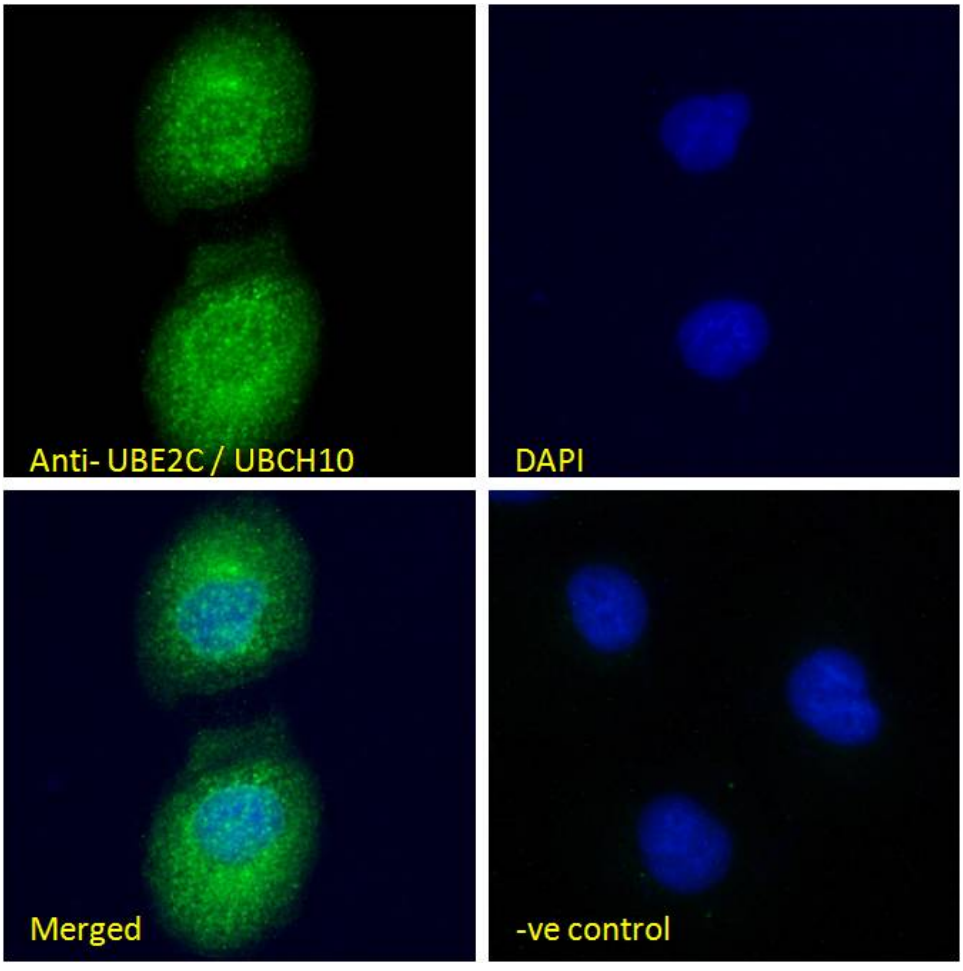
Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

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

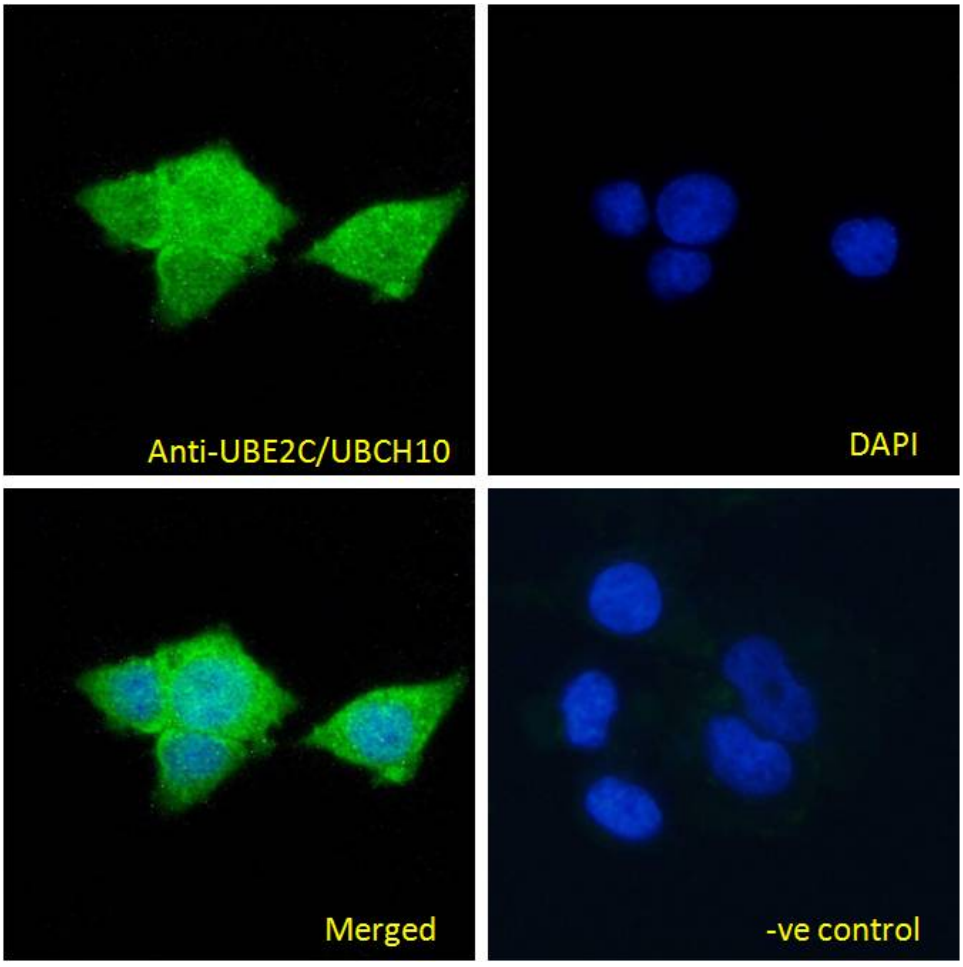
Species Reactivity

Tested: Human
Expected from sequence similarity: Human

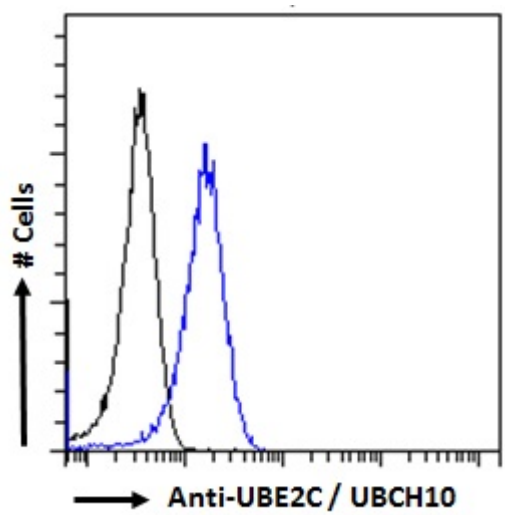
EB05569 (2µg/ml) staining of HEK293 (A) and HeLa (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



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.