## International Office

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# EB05765 - Goat Anti-HSPC150 / UBE2T Antibody

Size: 100µg specific antibody in 200µl

## Target Protein

**Principal Names:** UBE2T, HSPC150, PIG50, HSPC150 protein similar to ubiquitin-conjugating enzyme, ubiquitin conjugating enzyme, ubiquitin-conjugating enzyme E2T (putative), ubiquitin-conjugating enzyme E2T
**Official Symbol:** UBE2T
**Accession Number(s):** NP_054895.1; NP_001297255.1
**Human GeneID(s):** 29089

## Immunogen

Peptide with sequence C-QLVGIEKKFHPDV, from the C Terminus of the protein sequence according to NP_054895.1; NP_001297255.1.

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

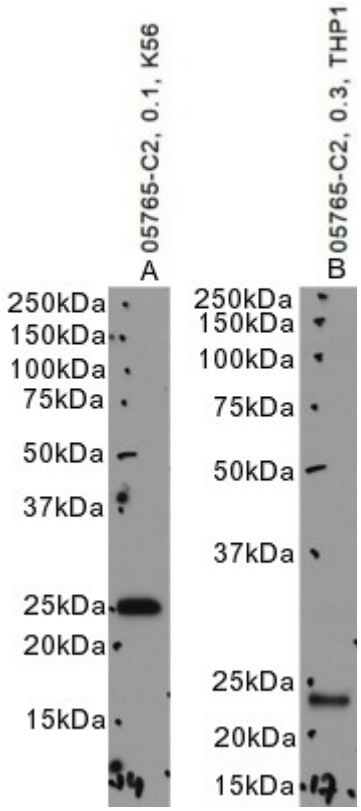
**Peptide ELISA:** antibody detection limit dilution 1:16000.
**Western blot:** Approx. 23-24kDa band observed in nuclear lysates of cell lines HeLa, Jurkat, HEK293, HepG2 and in THP-1 cell lysates, and approx. 25kDa in lnuclear lysates of cell line A431 and in K562, cell lysatess (calculated MW of 22.5kDa according to NP_054895.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

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

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

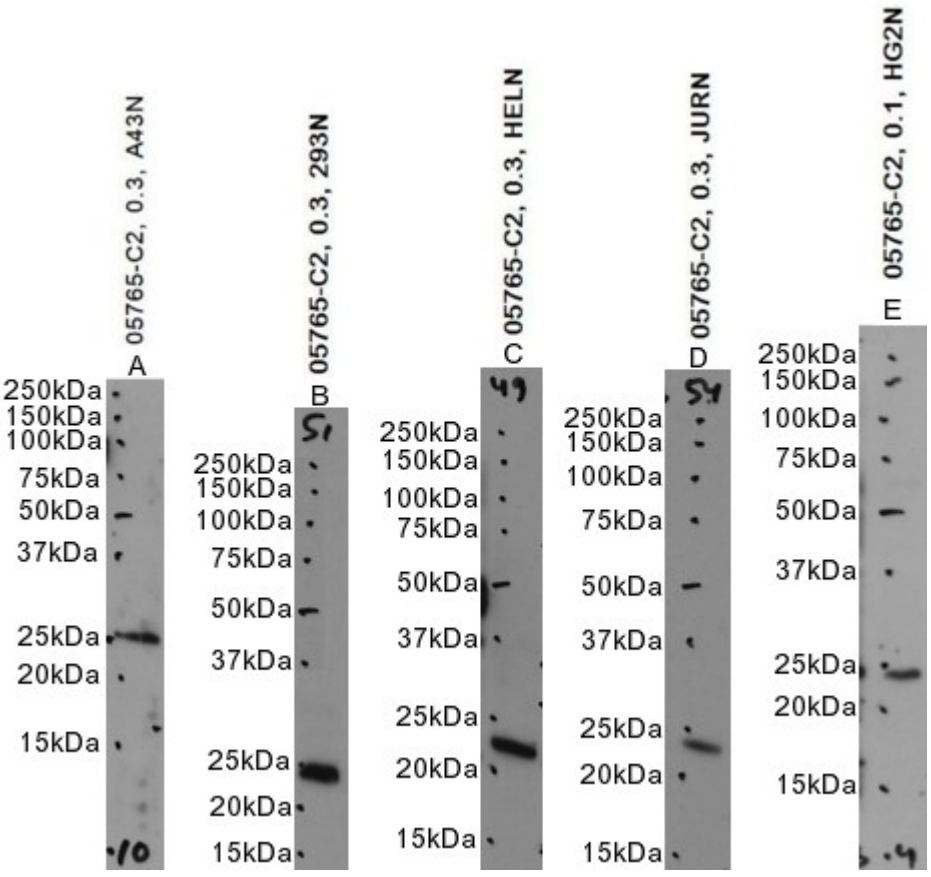
## Species Reactivity

**Tested:** Human
**Expected from sequence similarity:** Human



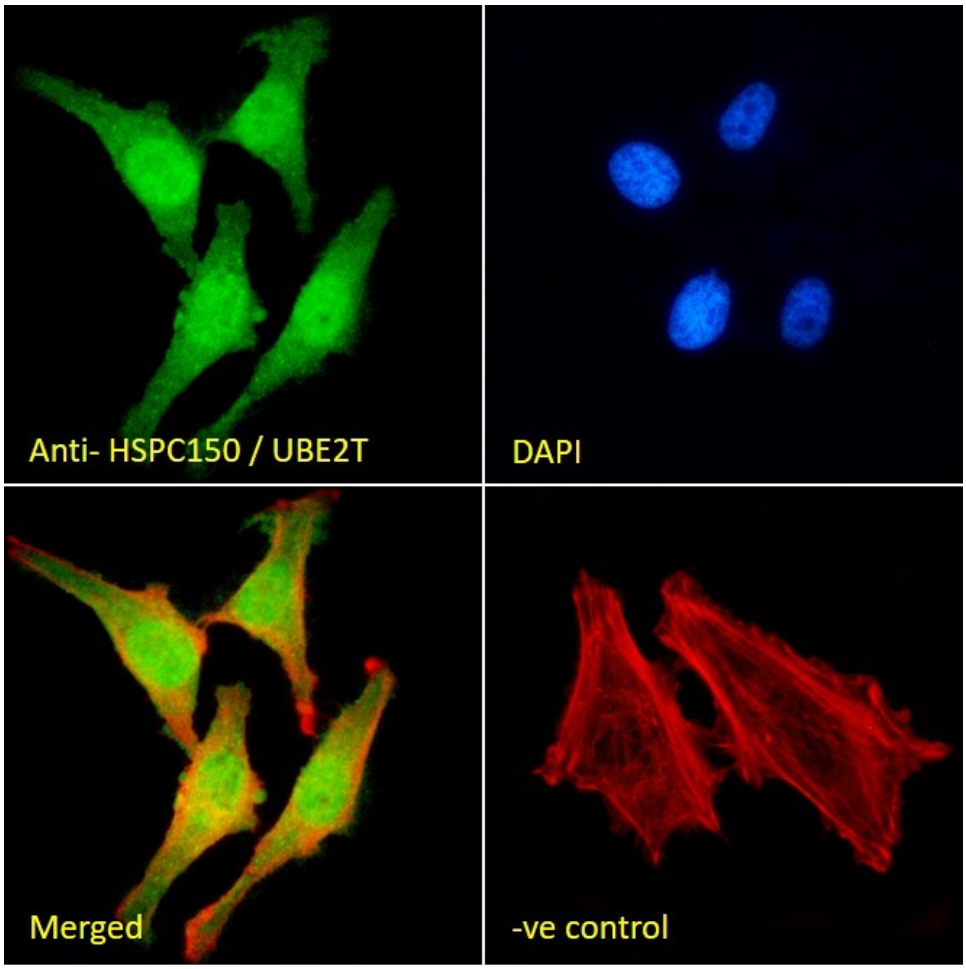

EB05765 optimised QC. Primary incubation 1 hour at room temperature.

Image A: K562 cell lysate at primary Ab concentration 0.1µg/ml, Image B: THP-1 cell lysate at primary Ab concentration 0.3µg/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.

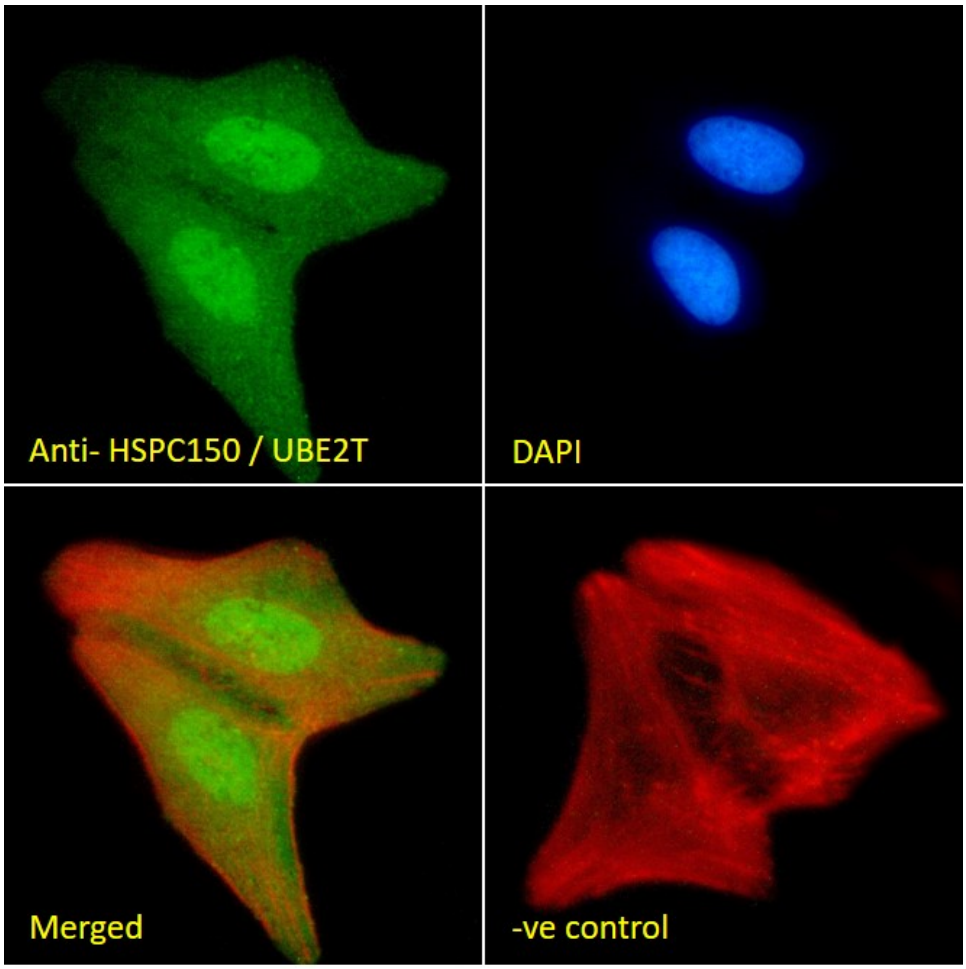


EB05765 optimised QC. Primary incubation 1 hour at room temperature.

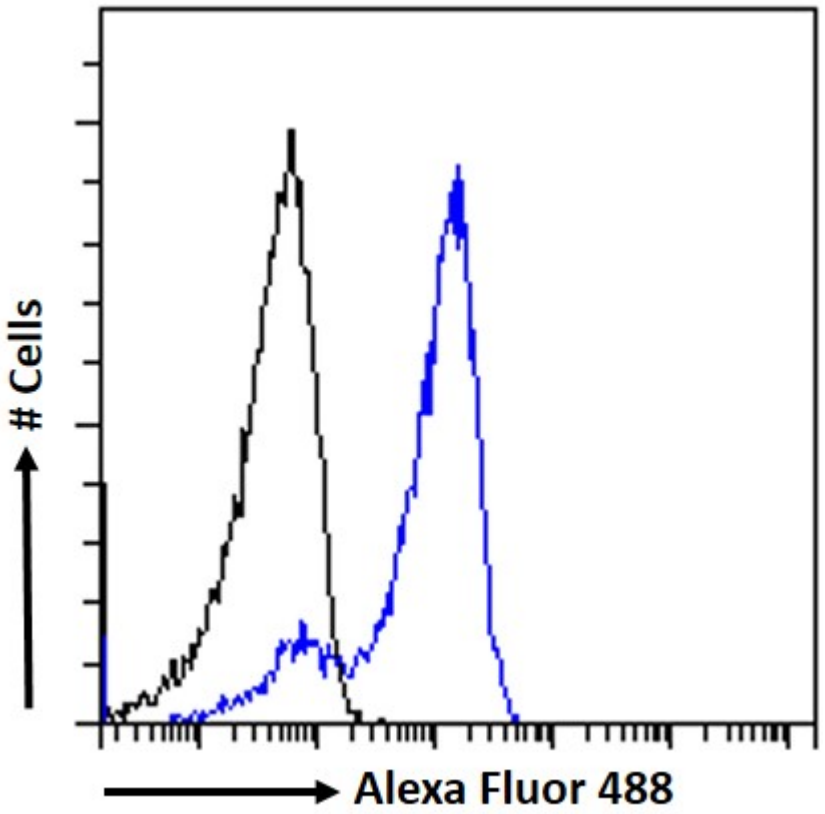
Images A, B, C, D: A431, HEK293, HeLa, Jurkat nuclear cell lysate at primary Ab concentration 0.3µg/ml, Image E: HepG2 nuclear cell lysate at primary Ab concentration 0.1µg/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.




EB05765 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).




EB05765 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).




EB05765 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 (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.