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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

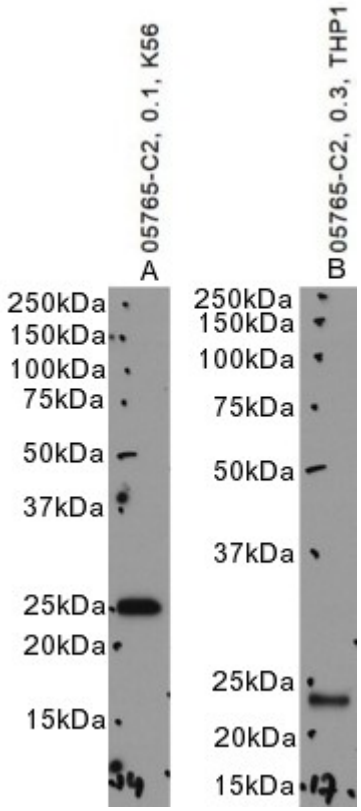
Peptide ELISA: antibody detection limit dilution 1:16000.
Western blot: Approx. 23-24kDa band observed in nuclear lysates of cell lines HeLa, Jurkat, HEK293, HepG2 and in THP-1 cell lysates, and approx. 25kDa in lnuclear lysates of cell line A431 and in K562, cell lysatess (calculated MW of 22.5kDa according 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.

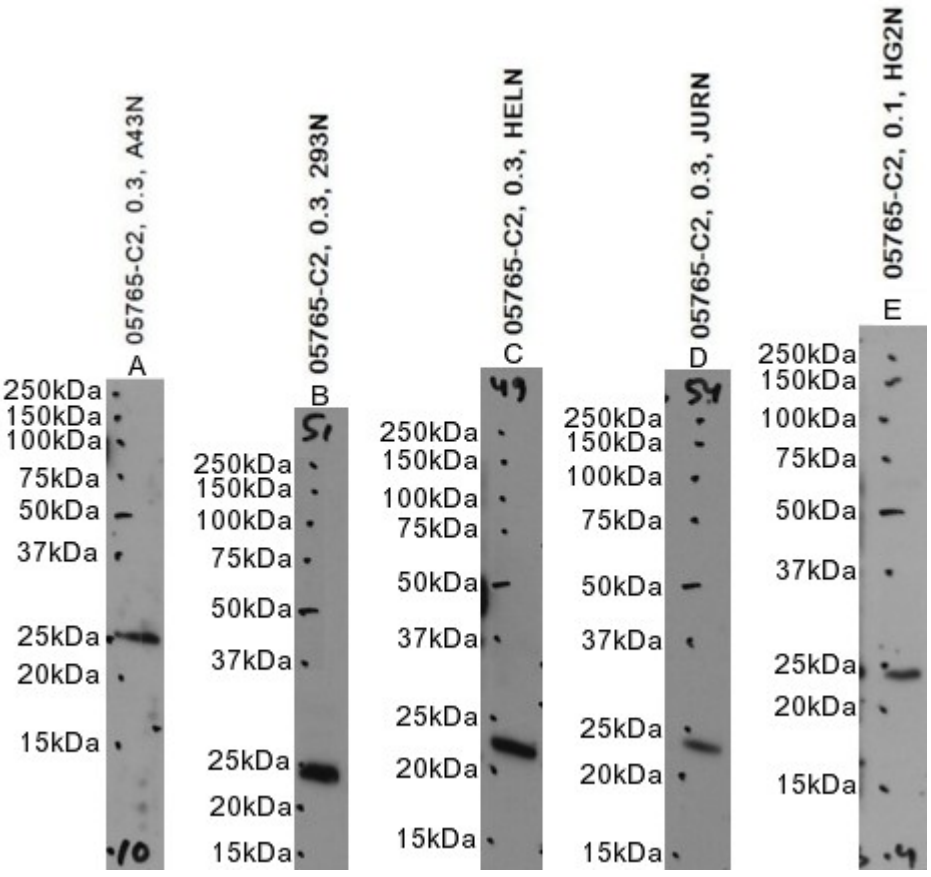
Species Reactivity

Tested: Human
Expected from sequence similarity: Human



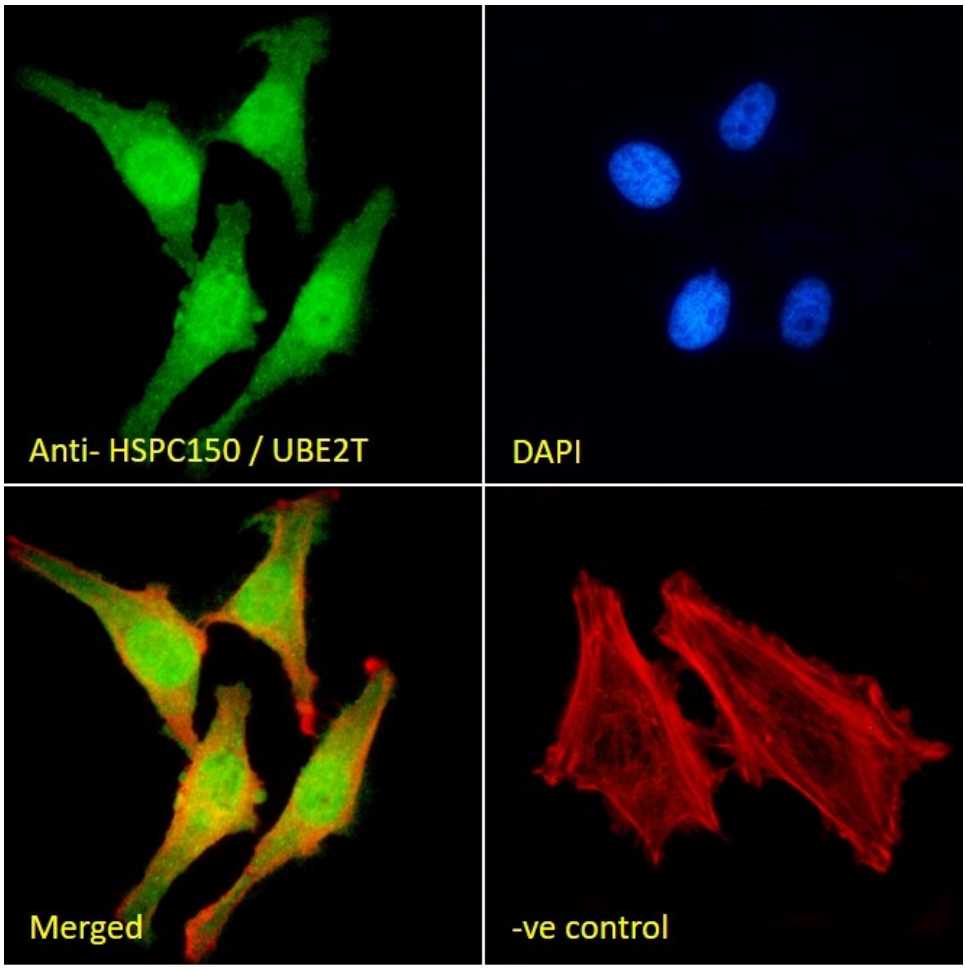
EB05765 optimised QC. Primary incubation 1 hour at room temperature.

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.

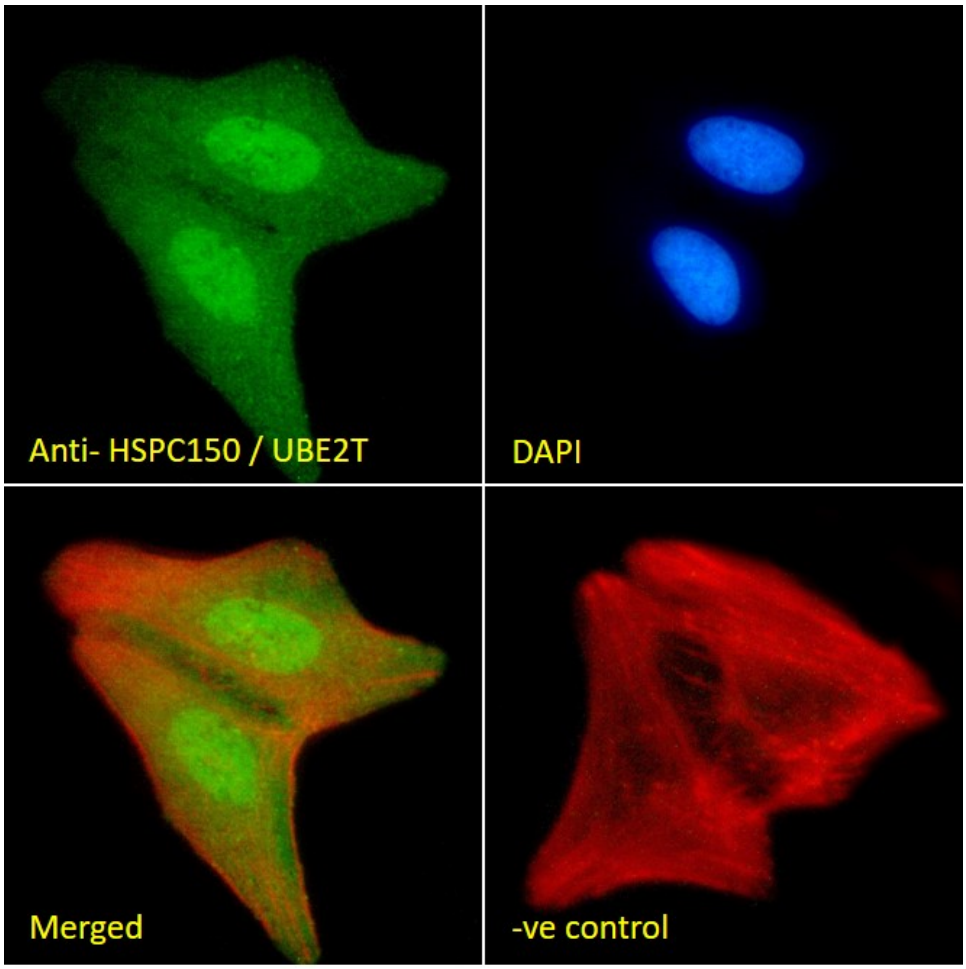


EB05765 optimised QC. Primary incubation 1 hour at room temperature.

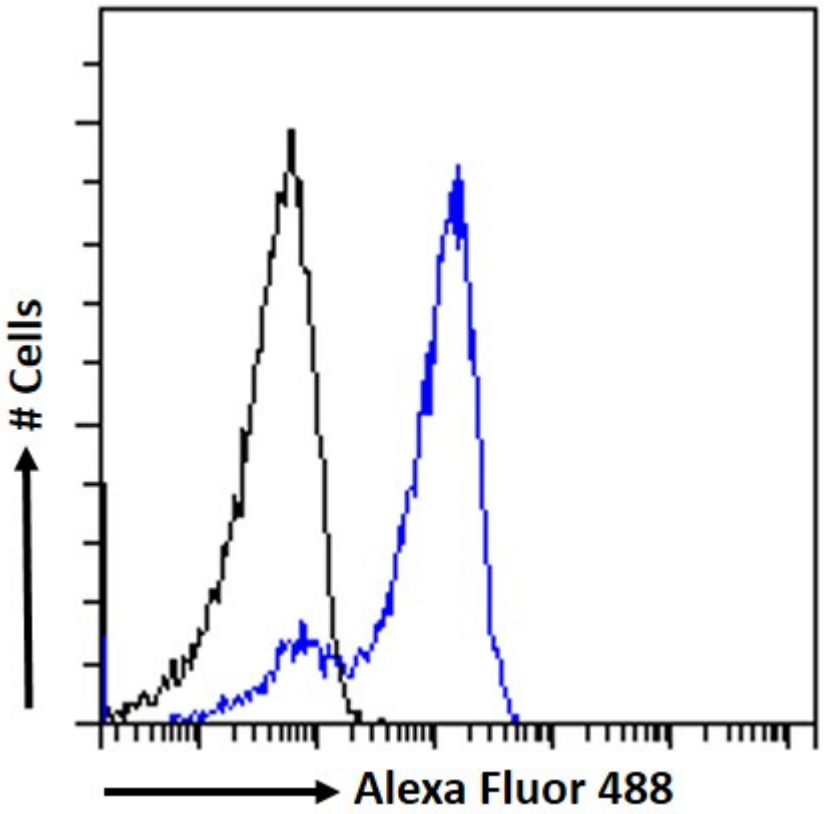
Images A, B, C, D: A431, HEK293, HeLa, Jurkat nuclear cell lysate at primary Ab concentration 0.3µg/ml, Image E: HepG2 nuclear cell lysate at primary Ab concentration 0.1µg/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



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.