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EB11292 - Goat Anti-TERT (aa597-611) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: EST2, hEST2, TCS1, telomerase catalytic subunit, telomerase reverse transcriptase, telomerase-associated protein 2, TP2, TRT, TERT
Official Symbol: TERT
Accession Number(s): NP_937983.2; NP_001180305.1
Human GeneID(s): 7015
Important Comments: This antibody is expected to recognize both reported isoforms (NP_937983.2; (NP_001180305.1).

Immunogen

Peptide with sequence C-QLRELSEAEVRQHRE, from the internal region of the protein sequence according to NP_937983.2; NP_001180305.1.

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

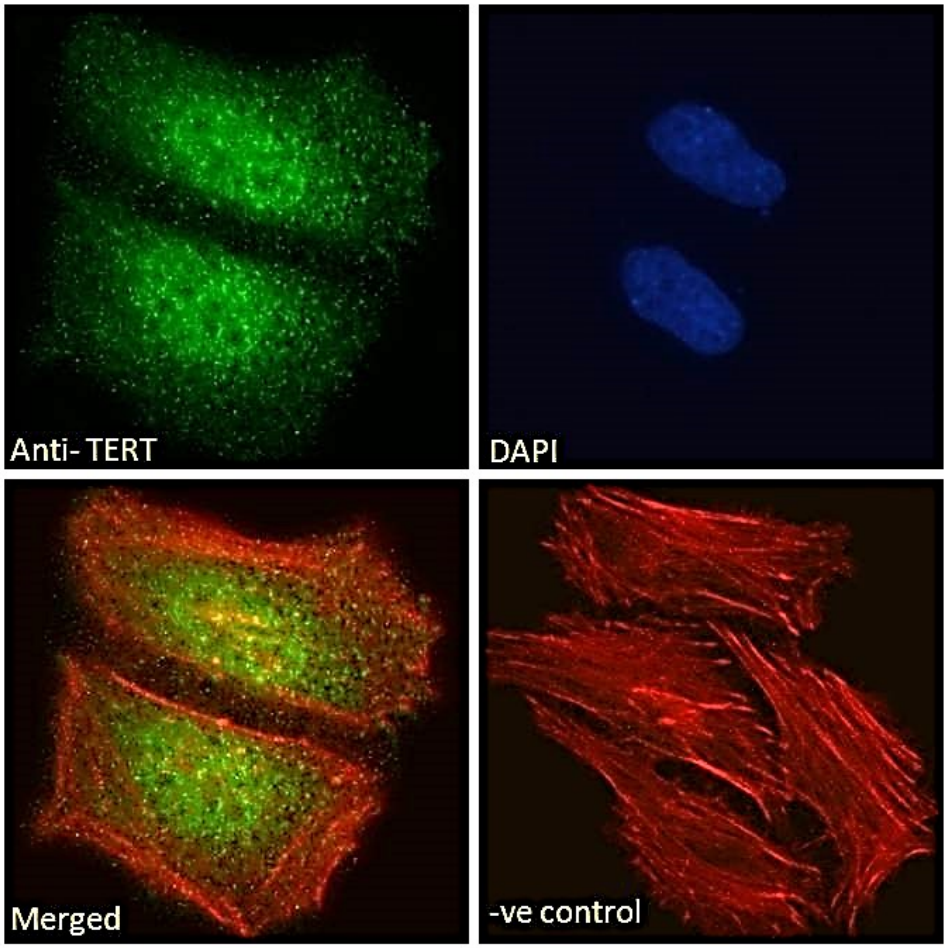
Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Preliminary testing showed a band at approx 125kDa in lysates of cell lines A549 and CaCo-2 after 1µg/ml antibody staining (calculated MW of 127kDa according to NP_937983.2). Primary incubation 1 hour at room temperature.

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

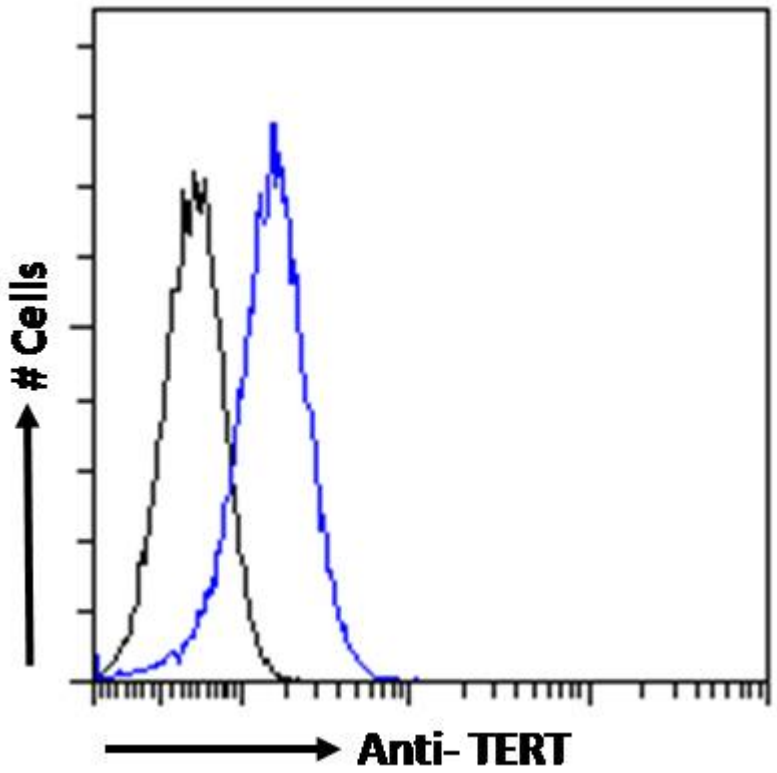
Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human



EB11292 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 nuclear and cytoplasmic 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).



EB11292 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.