

#### **International Office**

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Research Use Only. Not for diagnostic or therapeutic use.

# EB06277 - Goat Anti-TCP1 Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** TCP1, t-complex 1, CCT-alpha, CCT1, CCTa, D6S230E, TCP-1-alpha, T-complex protein 1, T-complex protein 1, alpha subunit, tailless complex polypeptide 1

Official Symbol: TCP1

Accession Number(s): NP\_110379.2; NP\_001008897.1

Human GeneID(s): 6950

**Important Comments:** This antibody is expected to recognise both reported isoforms.

#### **Immunogen**

Peptide with sequence C-SYEDAVHSGALND, from the C Terminus of the protein sequence according to NP\_110379.2; NP\_001008897.1.

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 60kDa band observed in lysates of cell line HEK293 and in Human Ovary lysates (calculated MW of 60.3kDa according to NP\_110379.2). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** In paraffin embedded Human Testis shows only cytoplasmic staining in some germ cells, and both cytoplasmic and nuclear staining in other germ cells with unstained nucleoli. Recommended concentration: 1-2µg/ml.

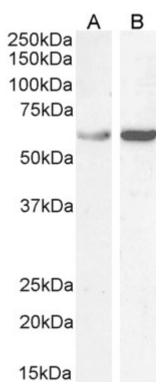
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm and nuclei of HeLa cells. Recommended concentration: 10µg/ml.

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

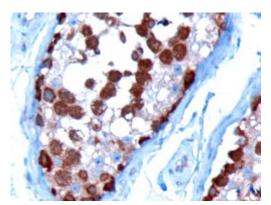
# **Species Reactivity**

Tested: Human

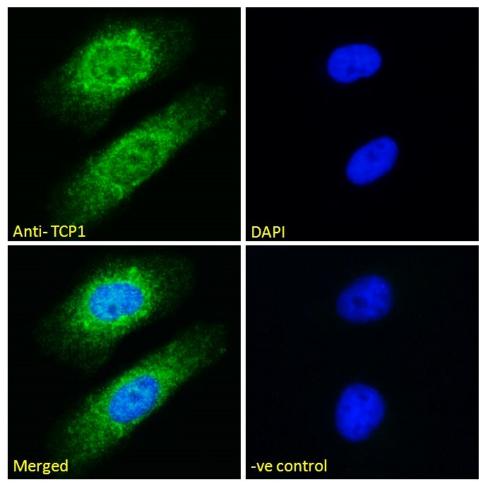
Expected from sequence similarity: Human



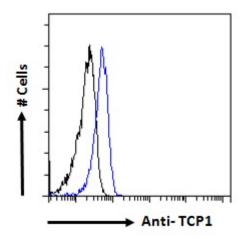
EB06277 (1 $\mu$ g/ml) staining of Human Ovary (A) lysate and HEK293 (B) cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB06277 (10μg/ml) staining of paraffin embedded Human Testis. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.



EB06277 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 cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06277 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.