

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07636 - Goat Anti-TMP21 / TMED10 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** TMED10, transmembrane emp24-like trafficking protein 10 (yeast), P24(DELTA), S31I125, S31III125, TMP21, Tmp-21-I, 21 kDa transmembrane trafficking protein, transmembrane emp24 domain-containing protein 10

**Official Symbol:** TMED10

**Accession Number(s):** NP\_006818.3

**Human GeneID(s):** [10972](#)

**Non-Human GeneID(s):** 68581 (mouse), 84599 (rat)

### Immunogen

Peptide with sequence C-YLRRFFKAKKLIE, from the C Terminus of the protein sequence according to NP\_006818.3.

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 1:1000.

**Western blot:** Preliminary experiments gave an approx 75kDa band in Rat Pancreas lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 25.0kDa according to NP\_006818.3. The 75kDa band was successfully blocked by incubation with the immunizing peptide. Primary incubation 1 hour at room temperature.

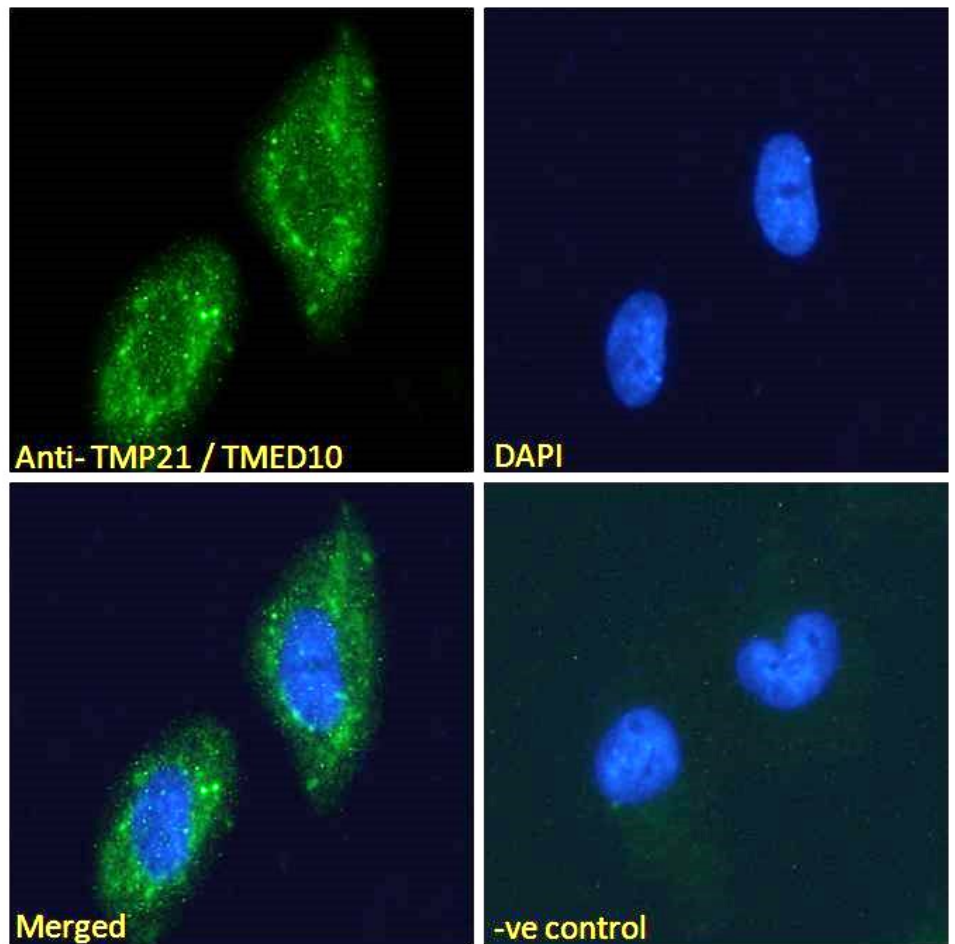
**Immunofluorescence:** Expression of the protein seen in the Golgi and cytoplasm of Glioblastoma U251 cells. Recommended concentration: 10µg/ml.

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

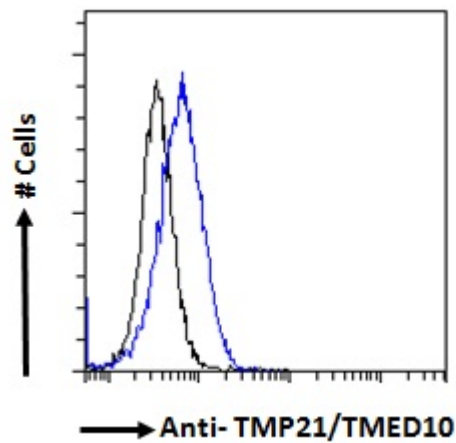
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow



EB07636 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Golgi/cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07636 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.