# TTMB (T-12): sc-241106



The Power to Question

#### **BACKGROUND**

TTMB, also known as Transmembrane protein 200B (TMEM200B) is a 307 multi-pass membrane protein that belongs to the TMEM200 family. The gene encoding TTMB maps to human chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

#### **REFERENCES**

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## **CHROMOSOMAL LOCATION**

Genetic locus: TMEM200B (human) mapping to 1p35.3; Tmem200b (mouse) mapping to 4 D2.3.

#### SOURCE

TTMB (T-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TTMB of human origin.

## **PRODUCT**

Each vial contains 200  $\mu g$  lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-241106 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### **RESEARCH USE**

For research use only, not for use in diagnostic procedures.

#### **APPLICATIONS**

TTMB (T-12) is recommended for detection of TTMB of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with KIAA1913.

TTMB (T-12) is also recommended for detection of TTMB in additional species, including equine, canine and porcine.

Suitable for use as control antibody for TTMB siRNA (h): sc-88806, TTMB siRNA (m): sc-154798, TTMB shRNA Plasmid (h): sc-88806-SH, TTMB shRNA Plasmid (m): sc-154798-SH, TTMB shRNA (h) Lentiviral Particles: sc-88806-V and TTMB shRNA (m) Lentiviral Particles: sc-154798-V.

Molecular Weight of TTMB: 33 kDa.

#### **RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

### **STORAGE**

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

#### **PROTOCOLS**

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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