# TMEM26 (G-15): sc-244411



The Power to Question

#### **BACKGROUND**

TMEM26 (transmembrane protein 26) is a 368 amino acid multi-pass membrane protein that exists as 2 alternatively spliced isoforms. TMEM26 is encoded by a gene located on human chromosome 10, which spans nearly 135 million base pairs. Chromosome 10 makes up approximately 4.5% of the total DNA in cells and encodes nearly 1,200 genes. Several protein-coding genes, including those that encode for chemokines, cadherins, excision repair proteins, early growth response factors (Egrs) and fibroblast growth receptors (FGFRs), are located on chromosome 10. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromatic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

# **REFERENCES**

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# **CHROMOSOMAL LOCATION**

Genetic locus: TMEM26 (human) mapping to 10q21.2.

#### **SOURCE**

TMEM26 (G-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TMEM26 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-244411 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### **APPLICATIONS**

TMEM26 (G-15) is recommended for detection of TMEM26 of 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 other TMEM family members.

TMEM26 (G-15) is also recommended for detection of TMEM26 in additional species, including equine, bovine and porcine.

Suitable for use as control antibody for TMEM26 siRNA (h): sc-90802, TMEM26 shRNA Plasmid (h): sc-90802-SH and TMEM26 shRNA (h) Lentiviral Particles: sc-90802-V.

Molecular Weight of TMEM26: 42 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.

# **RESEARCH USE**

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

#### **PROTOCOLS**

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

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