TPD52 (K-17): sc-33843

**BACKGROUND**

The tumor protein D52 (TPD52) family consists of three members, TPD52, TPD52L1 (D53), and TPD52L2 (D54). These small coiled-coil motif bearing proteins interact in hetero- and homomeric fashion. The TPD52 gene maps to chromosome 8q21.13, and due to amplification, shows frequent overexpression in prostate and breast carcinomas. TPD52 bound to annexin VI in a Ca²⁺-dependent manner, suggesting that these molecules may act in concert to regulate secretory processes in plasma cells.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: TPD52 (human) mapping to 8q21.13; Tpd52 (mouse) mapping to 3 A1.

**SOURCE**

TPD52 (K-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TPD52 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-33843 P, (100 µg peptide in 0.5 ml PBS containing <0.1% sodium azide and 0.2% BSA).

**STORAGE**

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

**APPLICATIONS**

TPD52 (K-17) is recommended for detection of TPD52 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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).

**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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2032 (dilution range: 1:1000-1:400) or donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

**DATA**

**RESEARCH USE**

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

Try TPD52 (A-6): sc-166732, our highly recommended monoclonal alternative to TPD52 (K-17).