

## TBCCD1 (P-14): sc-100179

### BACKGROUND

TBCCD1 (TBCC domain containing 1) is a 557 amino acid protein that contains a C-CAP/cofactor C-like domain. The gene encoding TBCCD1 maps to chromosome 3, which is made up of about 214 million bases encoding over 1,100 genes. Notably, there is a chemokine receptor gene cluster and a variety of human cancer related loci on chromosome 3. Particular regions of the chromosome 3 short arm are deleted in many types of cancer cells. Key tumor suppressing genes on chromosome 3 encode apoptosis mediator RASSF1, cell migration regulator HYAL1 and angiogenesis suppressor SEMA3B. Marfan syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth disease are a few of the numerous genetic diseases associated with chromosome 3.

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### CHROMOSOMAL LOCATION

Genetic locus: TBCCD1 (human) mapping to 3q27.3; Tbccd1 (mouse) mapping to 16 B1.

### SOURCE

TBCCD1 (P-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TBCCD1 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-100179 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

TBCCD1 (P-14) is recommended for detection of TBCCD1 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).

TBCCD1 (P-14) is also recommended for detection of TBCCD1 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for TBCCD1 siRNA (h): sc-78250, TBCCD1 siRNA (m): sc-154116, TBCCD1 shRNA Plasmid (h): sc-78250-SH, TBCCD1 shRNA Plasmid (m): sc-154116-SH, TBCCD1 shRNA (h) Lentiviral Particles: sc-78250-V and TBCCD1 shRNA (m) Lentiviral Particles: sc-154116-V.

### 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.



Try **TBCCD1 (D-2): sc-515156**, our highly recommended monoclonal alternative to TBCCD1 (P-14).