# TRABD (E-22): sc-134107



The Power to Question

#### **BACKGROUND**

TRABD (TraB domain-containing protein) is a 376 amino acid protein whose gene is encoded by human chromosome 22, which contains over 500 genes and about 49 million bases. Being the second smallest human chromosome, 22 contains a surprising variety of interesting genes. Phelan-McDermid syndrome, Neurofibromatosis type 2 and autism are associated with chromosome 22. A schizophrenia susceptibility locus has been identified on chromosome 22 and studies show that 22q11 deletion symptoms include a high incidence of schizophrenia. Translocations between chromosomes 9 and 22 may lead to the formation of the Philadelphia Chromosome and the subsequent production of the novel fusion protein, BCR-Abl, a potent cell proliferation activator found in several types of leukemia. There are two isoforms of TRABD that are produced as a result of alternative splicing events.

# **REFERENCES**

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#### **CHROMOSOMAL LOCATION**

Genetic locus: TRABD (human) mapping to 22q13.33; Trabd (mouse) mapping to 15 E3.

#### **SOURCE**

TRABD (E-22) is a Protein A purified rabbit polyclonal antibody raised against synthetic TRABD peptide of human origin.

#### **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.

#### **PRODUCT**

Each vial contains 100  $\mu g$  lgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

#### **APPLICATIONS**

TRABD (E-22) is recommended for detection of TRABD 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for TRABD siRNA (h): sc-76722, TRABD siRNA (m): sc-154576, TRABD shRNA Plasmid (h): sc-76722-SH, TRABD shRNA Plasmid (m): sc-154576-SH, TRABD shRNA (h) Lentiviral Particles: sc-76722-V and TRABD shRNA (m) Lentiviral Particles: sc-154576-V.

Molecular Weight of TRABD isoform 1: 42 kDa.

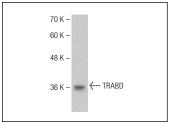
Molecular Weight of TRABD isoform 2: 37 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227.

# **RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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-2003 (0.5 ml agarose/2.0 ml).

# DATA



TRABD (E-22): sc-134107. Western blot analysis of TRABD expression in Hep G2 whole cell lysate.

### **PROTOCOLS**

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