

TRAPPC2L (H-94): sc-292010

BACKGROUND

TRAPPC2L (trafficking protein particle complex subunit 2-like protein), also known as HSPC126, is a 140 amino acid protein belonging to the TRAPP small subunits family and Sedlin subfamily. Localizing to cytoplasm, endoplasmic reticulum and Golgi apparatus, TRAPPC2L is expressed in testis, liver, bladder, lung, spleen and brain. TRAPPC2L may have a role in vesicular transportation from endoplasmic reticulum to Golgi, and is a member of the multisubunit transport protein particle (TRAPP) complex. Interacting with TRAPPC2, TRAPPC3, TRAPPC4 and TRAPPC6A, TRAPPC2L and TRAPPC2 genes are often found in pairs and show overlapping expression. TRAPPC2L exists as two alternatively spliced isoforms, and is encoded by a gene that maps to human chromosome 16q24.3. Chromosome 16 encodes over 900 genes in approximately 90 million base pairs, makes up nearly 3% of human cellular DNA and is associated with a variety of genetic disorders, including Rubinstein-Taybi syndrome and Crohn's disease.

CHROMOSOMAL LOCATION

Genetic locus: TRAPPC2L (human) mapping to 16q24.3; Trappc2l (mouse) mapping to 8 E1.

SOURCE

TRAPPC2L (H-94) is a rabbit polyclonal antibody raised against amino acids 21-114 mapping within an internal region of TRAPPC2L 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.

RESEARCH USE

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

APPLICATIONS

TRAPPC2L (H-94) is recommended for detection of TRAPPC2L 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).

TRAPPC2L (H-94) is also recommended for detection of TRAPPC2L in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for TRAPPC2L siRNA (h): sc-93364, TRAPPC2L siRNA (m): sc-154586, TRAPPC2L shRNA Plasmid (h): sc-93364-SH, TRAPPC2L shRNA Plasmid (m): sc-154586-SH, TRAPPC2L shRNA (h) Lentiviral Particles: sc-93364-V and TRAPPC2L shRNA (m) Lentiviral Particles: sc-154586-V.

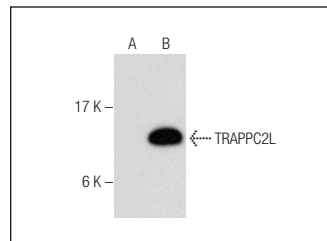
Molecular Weight of TRAPPC2L: 16 kDa.

Positive Controls: TRAPPC2L (h): 293T Lysate: sc-111115.

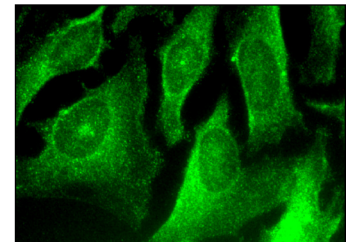
RECOMMENDED SECONDARY REAGENTS

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). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



TRAPPC2L (H-94): sc-292010. Western blot analysis of TRAPPC2L expression in non-transfected: sc-117752 (A) and human TRAPPC2L transfected: sc-111115 (B) 293T whole cell lysates.



TRAPPC2L (H-94): sc-292010. Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic localization.

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.



Try **TRAPPC2L (C-5): sc-377322**, our highly recommended monoclonal alternative to TRAPPC2L (H-94).