

# TRAPPC2L (S-15): sc-165764

## 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 apparatus, and is a member of the multi-subunit transport protein particle (TRAPP) complex. Interacting with TRAPPC2, TRAPPC3, TRAPPC4 and TRAPPC6A, the 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.

## REFERENCES

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## CHROMOSOMAL LOCATION

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

## SOURCE

TRAPPC2L (S-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TRAPPC2L 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.

## PRODUCT

Each vial contains 200  $\mu$ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-165764 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

TRAPPC2L (S-15) 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), 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 TRAPPC family members.

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.

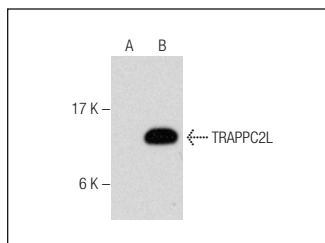
Molecular Weight of TRAPPC2L: 16 kDa.

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 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.

## DATA



TRAPPC2L (S-15): sc-165764. Western blot analysis of TRAPPC2L expression in non-transfected: sc-117752 (A) and human TRAPPC2L transfected: sc-111115 (B) 293T whole cell lysates.

## RESEARCH USE

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