# Rab L2B (T-16): sc-103131



The Power to Question

#### **BACKGROUND**

The Ras-related superfamily of guanine nucleotide binding proteins includes the R-Ras, Rap, Ral/Rec and Rho/Rab subfamilies, all of which are thought to play an important role in either endocytosis or in biosynthetic protein transport. The process of transporting newly synthesized proteins from the endoplasmic reticulum (ER) to various stacks of the Golgi complex and to secretory vesicles involves the movement of carrier vesicles and requires Rab protein function. Rab proteins are also an integral part of endocytic pathways. Rab L2B (RAB, member of RAS oncogene family-like 2B), also known as FLJ93981, FLJ98216 or RABL2B, is a 228 amino acid protein encoded by a gene which maps to a subtelomeric region of human chromosome 22q13.3. Two isoforms of Rab L2B exist as a result of alternative splicing. Rab L2B has been found to be highly expressed adult brain, pancreas, kidney and heart.

## **REFERENCES**

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# **CHROMOSOMAL LOCATION**

Genetic locus: RABL2B (human) mapping to 22q13.33.

#### **SOURCE**

Rab L2B (T-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Rab L2B 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 200  $\mu g$  lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-103131 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## **APPLICATIONS**

Rab L2B (T-16) is recommended for detection of Rab L2B and Rab L2A 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).

## **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) with UltraCruz™ Mounting Medium: sc-24941.

# **PROTOCOLS**

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

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