

# SCYL2 (N-15): sc-169262

## BACKGROUND

SCYL2 (SCY1-like 2), also known as CVAK104 (Coated vesicle-associated kinase of 104 kDa), is a 929 amino acid protein that contains one HEAT repeat and one protein kinase domain. Localized to a variety of locations within the cell, including the perinuclear region of the cytoplasm, the trans-golgi network membrane and clathrin-coated vesicles, SCYL2 exists as a component of AP2-containing Clathrin coated structures. SCYL2 is thought to function as a Ser/Thr protein kinase, exhibiting kinase activity towards adaptor complex proteins, possibly regulating Clathrin-dependent trafficking events between the golgi network and endosomes. Additionally, SCYL2 may play a role in the sorting of SNARE proteins and, ultimately, in embryonic development.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: SCYL2 (human) mapping to 12q23.1; Scyl2 (mouse) mapping to 10 C2.

## SOURCE

SCYL2 (N-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of SCYL2 of human origin.

## 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-169262 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

SCYL2 (N-15) is recommended for detection of SCYL2 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 SCYL family members.

SCYL2 (N-15) is also recommended for detection of SCYL2 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for SCYL2 siRNA (h): sc-95795, SCYL2 siRNA (m): sc-153279, SCYL2 shRNA Plasmid (h): sc-95795-SH, SCYL2 shRNA Plasmid (m): sc-153279-SH, SCYL2 shRNA (h) Lentiviral Particles: sc-95795-V and SCYL2 shRNA (m) Lentiviral Particles: sc-153279-V.

Molecular Weight of SCYL2: 104 kDa.

Positive Controls: T-47D cell lysate: sc-2293 or mouse brain extract: sc-2253.

## 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.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.