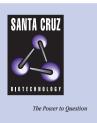
# SANTA CRUZ BIOTECHNOLOGY, INC.

# Yif1p (yT-16): sc-32672



#### BACKGROUND

The yeast protein Yif1p is a multiple transmembrane spanning protein that is localized to COPII vesicles and the Golgi membrane. At the Golgi membrane, Yif1p forms a complex with Yip1p. The Yip1p-Yif1p complex is involved in ER to Golgi transport, allowing for the fusion of ER vesicles to the Golgi apparatus. The Yip1p-Yif1p complex interacts with several proteins, including Yosp1p, Ypt1p, Ypt31p, Sec4p and Btn2p, as well as SNARE proteins involved in membrane fusion, Bos1p and Sec22p. Yif1p is characterized by a cytosolic N-terminus that interacts with GTPases, and a luminal C terminus. Mutations in either Yif1p or Yip1p *in vitro* block ER-Golgi transport, corroborating the putative functional role of this complex.

# REFERENCES

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- Barrowman, J., et al. 2003. The Yip1p.Yif1p complex is required for the fusion competence of endoplasmic reticulum-derived vesicles. J. Biol. Chem. 278: 19878-19884.
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- 7. Jin, C., et al. 2005. Human Yip1A specifies the localization of Yif1 to the Golgi apparatus. Biochem. Biophys. Res. Commun. 334: 16-22.
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#### SOURCE

Yif1p (yT-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of Yif1p of *Saccharomyces cerevisiae* origin.

### 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-32672 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

#### APPLICATIONS

Yif1p (yT-16) is recommended for detection of Yif1p of *Saccharomyces cerevisiae* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Molecular Weight of Yif1p: 35.5 kDa.

## **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) Immunofluo-rescence: use 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 or our catalog for detailed protocols and support products.