SANTA CRUZ BIOTECHNOLOGY, INC.

Ypt1 (yW-14): sc-27908

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The Power to Question

BACKGROUND

The Rab/Ypt family of small GTPases regulate various events in vesicular trafficking. The yeast GTPase Ypt1 facilitates transport from the endoplasmic reticulum to the golgi, and through the early golgi. Specifically, the exit of glycosophosphatidylinositol (GPI)-anchored proteins from the ER, in vesicles distinct from other secretory proteins, requires Ypt1. Additionally, Ypt1 effects another small Rab/Ypt GTPase, implying these proteins function in a signal cascade to direct traffic in the secretory pathway.

REFERENCES

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3. Suvorova, E.S.,et al. 2002 The Sec34/Sec35p complex, a Ypt1p effector required for retrograde intra-Golgi trafficking, interacts with Golgi SNAREs and COPI vesicle coat proteins J. Cell Biol.157:631-43.
4. Morsomme, P., et al. 2002. The Rab GTPase Ypt1p and tethering factors couple protein sorting at the ER to vesicle targeting to the Golgi apparatus Dev. Cell. 2:307-17.
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SOURCE

Ypt1 (yW-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of GTP-binding protein Ypt1 of *Saccharomyces cerevisiae* origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-27908 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

RESEARCH USE

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

APPLICATIONS

Ypt1 (yW-14) is recommended for detection of Ypt1 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).

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.

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.