

v-SNARE Ykt6p (FL-198): sc-30097

BACKGROUND

Membrane traffic in eukaryotic cells requires the interaction of a vesicle-associated soluble N-ethylmaleimide-sensitive fusion (NSF) attachment protein receptor (v-SNARE) on transport vesicles with a SNARE on the target membrane (t-SNARE). Both v- and t-SNAREs are compartment-specific and bind each other directly and specifically. The v-SNAREs Ykt6p and Vti1p are involved in ER-Golgi and intra-Golgi membrane trafficking. For v-SNARE Ykt6p, membrane interaction is mediated through a cysteine/aliphatic/aliphatic/methionine or histidine (CAAX) C-terminal motif, a consensus sequence involved in prenylated membrane anchoring. The v-SNARE Vti1p interacts with the prevacuolar t-SNARE Pep12p in Golgi prevacuolar transport and with the *cis*-Golgi t-SNARE Sed5p in traffic to the *cis*-Golgi.

CHROMOSOMAL LOCATION

Genetic locus: YKT6 (human) mapping to 7p13; Ykt6 (mouse) mapping to 11 A1.

SOURCE

v-SNARE Ykt6p (FL-198) is a rabbit polyclonal antibody raised against amino acids 1-198 representing full length v-SNARE Ykt6p of human origin.

PRODUCT

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

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.

APPLICATIONS

v-SNARE Ykt6p (FL-198) is recommended for detection of v-SNARE Ykt6p of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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).

v-SNARE Ykt6p (FL-198) is also recommended for detection of v-SNARE Ykt6p in additional species, including equine, bovine, porcine and avian.

Suitable for use as control antibody for v-SNARE Ykt6p siRNA (h): sc-41342, v-SNARE Ykt6p siRNA (m): sc-41343, v-SNARE Ykt6p shRNA Plasmid (h): sc-41342-SH, v-SNARE Ykt6p shRNA Plasmid (m): sc-41343-SH, v-SNARE Ykt6p shRNA (h) Lentiviral Particles: sc-41342-V and v-SNARE Ykt6p shRNA (m) Lentiviral Particles: sc-41343-V.

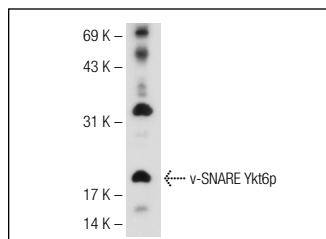
Molecular Weight of v-SNARE Ykt6p: 25 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/ 2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



v-SNARE Ykt6p (FL-198): sc-30097. Western blot analysis of v-SNARE Ykt6p expression in HeLa whole cell lysate.

RESEARCH USE

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

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Try **v-SNARE Ykt6p (E-2): sc-365732**, our highly recommended monoclonal alternative to v-SNARE Ykt6p (FL-198).