

VPS26 (A-14): sc-69126

BACKGROUND

Vacuolar sorting proteins (VPSs) are required for proper trafficking of endocytic and biosynthetic proteins to the vacuole and play an important role in the budding process of cells. VPS26 (vacuolar protein sorting 26), also known as VPS26A, HB58 or PEP8A, is a 327 amino acid protein that localizes to both the cytoplasm and to the endosomal membrane and exists as a component of the multi-subunit retromer complex. Specifically, the retromer complex relies on a variety of proteins, including VPS26, VPS26B and VPS35, all of which are responsible for the retrograde transport of proteins from endosomes to the *trans*-Golgi network. VPS26 is expressed at high levels in heart, liver, kidney, placenta and skeletal muscle, where it plays an important role in protein trafficking. Multiple isoforms of VPS26 exist due to alternative splicing events.

CHROMOSOMAL LOCATION

Genetic locus: VPS26A (human) mapping to 10q22.1; Vps26a (mouse) mapping to 10 B4.

SOURCE

VPS26 (A-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of VPS26 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.

Blocking peptide available for competition studies, sc-69126 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

VPS26 (A-14) is recommended for detection of VPS26 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).

VPS26 (A-14) is also recommended for detection of VPS26 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for VPS26 siRNA (h): sc-63220, VPS26 siRNA (m): sc-63221, VPS26 shRNA Plasmid (h): sc-63220-SH, VPS26 shRNA Plasmid (m): sc-63221-SH, VPS26 shRNA (h) Lentiviral Particles: sc-63220-V and VPS26 shRNA (m) Lentiviral Particles: sc-63221-V.

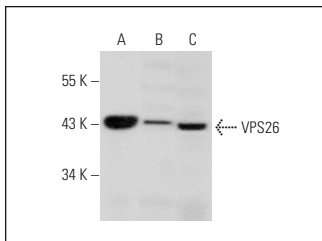
Molecular Weight of VPS26: 38 kDa.

Positive Controls: mouse kidney extract: sc-2255, rat brain extract: sc-2392 or human liver extract: sc-363766.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



VPS26 (A-14): sc-69126. Western blot analysis of VPS26 expression in mouse kidney (A), rat brain (B) and human liver (C) tissue extracts.

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.


 MONOS
Satisfaction
Guaranteed

Try **VPS26 (E-3): sc-390304** or **VPS26 (10L3): sc-135606**, our highly recommended monoclonal alternatives to VPS26 (A-14).