

VCPIP1 (C-15): sc-98197

BACKGROUND

VCPIP1 (valosin containing protein (p97)/p47 complex interacting protein 1), also known as DUBA3 or VCIP135, is a 1,222 amino acid protein that contains one OTU domain and localizes to the endoplasmic reticulum (ER), as well as to Golgi stacks within the Golgi apparatus. Interacting with VCP (valosin-containing protein) and p47, VCPIP1 functions as a deubiquitinating enzyme that is necessary for post-mitotic Golgi stack formation and may also play a role in the VCP-mediated creation of the transitional ER (tER). The gene encoding VCPIP1 maps to human chromosome 8, which consists of nearly 146 million base pairs, houses more than 800 genes and is associated with a variety of diseases and malignancies. Schizophrenia, bipolar disorder, Trisomy 8, Pfeiffer syndrome, congenital hypothyroidism, Waardenburg syndrome and some leukemias and lymphomas are thought to occur as a result of defects in specific genes that maps to chromosome 8.

CHROMOSOMAL LOCATION

Genetic locus: VCPIP1 (human) mapping to 8q13.1; Vcpip1 (mouse) mapping to 1 A2.

SOURCE

VCPIP1 (C-15) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the C-terminus of VCPIP1 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-98197 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

VCPIP1 (C-15) is recommended for detection of VCPIP1 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), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

VCPIP1 (C-15) is also recommended for detection of VCPIP1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for VCPIP1 siRNA (h): sc-77549, VCPIP1 siRNA (m): sc-155098, VCPIP1 shRNA Plasmid (h): sc-77549-SH, VCPIP1 shRNA Plasmid (m): sc-155098-SH, VCPIP1 shRNA (h) Lentiviral Particles: sc-77549-V and VCPIP1 shRNA (m) Lentiviral Particles: sc-155098-V.

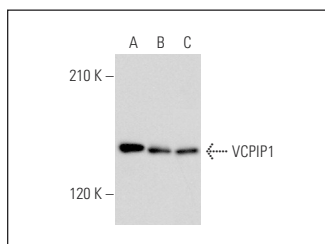
Molecular Weight of VCPIP1: 135 kDa.

Positive Controls: K-562 whole cell lysate: sc-2203, MCF7 whole cell lysate: sc-2206 or MDA-MB-231 cell lysate: sc-2232.

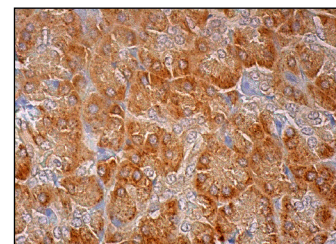
RECOMMENDED SECONDARY REAGENTS

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. 4) Immunohistochemistry: use ImmunoCruz™: sc-2051 or ABC: sc-2018 rabbit IgG Staining Systems.

DATA



VCPIP1 (C-15): sc-98197. Western blot analysis of VCPIP1 expression in K-562 (A), MCF7 (B) and MDA-MB-231 (C) whole cell lysates.



VCPIP1 (C-15): sc-98197. Immunoperoxidase staining of formalin fixed, paraffin-embedded human pancreas tissue showing cytoplasmic staining of exocrine glandular cells.

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.



Try **VCPIP1 (C-12): sc-515291**, our highly recommended monoclonal alternative to VCPIP1 (C-15).