

LOC128977 (C-13): sc-86519

BACKGROUND

LOC128977 is 105 amino acid protein that is encoded by a gene located on human chromosome 22q11.21. Chromosome 22 contains over 500 genes and about 49 million bases. Being the second smallest human chromosome, 22 contains a variety of interesting genes. Phelan-McDermid syndrome, Neurofibromatosis type 2 and autism are associated with chromosome 22. A schizophrenia susceptibility locus has been identified on chromosome 22 and studies show that 22q11 deletion symptoms include a high incidence of schizophrenia. Translocations between chromosomes 9 and 22 may lead to the formation of the Philadelphia Chromosome and the subsequent production of the novel fusion protein, BCR-Abl, a potent cell proliferation activator found in several types of leukemia. The LOC128977 gene product has been provisionally designated LOC128977 pending further characterization.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: C22orf39 (human) mapping to 22q11.21.

SOURCE

LOC128977 (C-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the C-terminus of LOC128977 of human origin.

STORAGE

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

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-86519 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

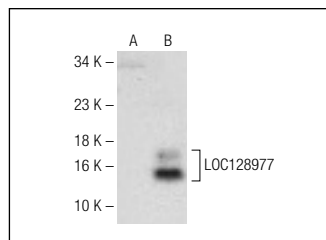
LOC128977 (C-13) is recommended for detection of LOC128977 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for LOC128977 siRNA (h): sc-75437, LOC128977 shRNA Plasmid (h): sc-75437-SH and LOC128977 shRNA (h) Lentiviral Particles: sc-75437-V.

Molecular Weight of LOC128977: 13 kDa.

Positive Controls: LOC128977 (h): 293T Lysate: sc-116787.

DATA



LOC128977 (C-13): sc-86519. Western blot analysis of LOC128977 expression in non-transfected: sc-117752 (A) and human LOC128977 transfected: sc-116787 (B) 293T whole cell lysates.

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.