

SNAP 29 (A-20)-R: sc-19370-R

BACKGROUND

SNAP 29 (synaptosomal-associated protein, 29 kDa), also known as CEDNIK, is a 258 amino acid protein that localizes to the membrane and the cytoplasm, as well as to the cell junction, and contains one t-SNARE coiled-coil homology domain. Expressed in liver, heart, brain, kidney, placenta, lung, spleen, pancreas and skeletal muscle, SNAP 29 binds tightly to Syntaxins and, via this binding, is involved in membrane trafficking events. Defects in the gene encoding SNAP 29 are the cause of CEDNIK syndrome, a neurocutaneous syndrome that is associated with cerebral dysgenesis, neuropathy, ichthyosis and palmoplantar keratoderma. The gene encoding SNAP 29 maps to human chromosome 22, which houses over 500 genes and is the second smallest human chromosome. Mutations in several of the genes that map to chromosome 22 are involved in the development of Phelan-McDermid syndrome, neurofibromatosis type 2, autism and schizophrenia.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SNAP29 (human) mapping to 22q11.21; Snap29 (mouse) mapping to 16 A3.

STORAGE

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

SOURCE

SNAP 29 (A-20)-R is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of SNAP 29 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-19370 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

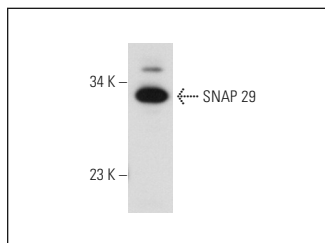
SNAP 29 (A-20)-R is recommended for detection of SNAP 29 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for SNAP 29 siRNA (h): sc-76531, SNAP 29 siRNA (m): sc-153646, SNAP 29 shRNA Plasmid (h): sc-76531-SH, SNAP 29 shRNA Plasmid (m): sc-153646-SH, SNAP 29 shRNA (h) Lentiviral Particles: sc-76531-V and SNAP 29 shRNA (m) Lentiviral Particles: sc-153646-V.

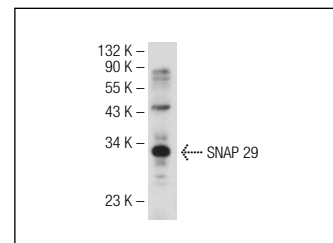
Molecular Weight of SNAP 29: 29 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

DATA



SNAP 29 (A-20)-R: sc-19370-R. Western blot analysis of SNAP 29 expression in Jurkat whole cell lysate.



SNAP 29 (A-20)-R: sc-19370-R. Western blot analysis of SNAP 29 expression in Jurkat whole cell lysate.

RESEARCH USE

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

MONOS
Satisfaction
Guaranteed

Try **SNAP 29 (E-5): sc-390602** or **SNAP 29 (D-8): sc-390801**, our highly recommended monoclonal alternatives to SNAP 29 (A-20).