

Cytospin-A (N-16): sc-86401

BACKGROUND

Chromosome 22 contains over 500 genes and about 49 million bases. Being the second smallest human chromosome 22, contains a surprising 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 22q11.23 deletion symptoms include a high incidence of schizophrenia. Mapping to chromosome 22, the Cytospin-A gene encodes a 1,117 amino acid protein that contains a CH (calponin-homology) domain, which suggests that it may interact with actin. Cytospin-A, also designated SPECC1-like protein (SPECC1L) and Renal carcinoma antigen NY-REN-22, is thought to play a role in cytokinesis and spindle organization.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SPECC1L (human) mapping to 22q11.23.

SOURCE

Cytospin-A (N-16) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the N-terminus of Cytospin-A 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-86401 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Cytospin-A (N-16) is recommended for detection of Cytospin-A of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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).

Cytospin-A (N-16) is also recommended for detection of Cytospin-A in additional species, including equine and canine.

Suitable for use as control antibody for Cytospin-A siRNA (h): sc-77086, Cytospin-A shRNA Plasmid (h): sc-77086-SH and Cytospin-A shRNA (h) Lentiviral Particles: sc-77086-V.

Molecular Weight of Cytospin-A: 125 kDa.

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) 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.

STORAGE

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

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.