

Cactin (D-16): sc-240077

BACKGROUND

Cactin, also known as fSAPc, NY-REN-24 or C19orf29, is a 758 amino acid nuclear protein that colocalizes with NFKBIL1 (NFKB inhibitor-like protein 1). Involved in the regulation of innate immune responses, Cactin may play a role in early embryonic development and pre-mRNA splicing. Cactin acts as a negative regulator of Toll-like receptor and IRF (interferon-regulatory factor) signaling pathways. In response to endogenous pro-inflammatory stimuli, Cactin regulates the transcriptional activation of NFKB genes. The gene encoding Cactin, which maps to human chromosome 19p13.3 and mouse chromosome 10 C1, may be associated with renal-cell carcinoma patients. Cactin exists as two alternatively spliced isoforms.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CACTIN (human) mapping to 19p13.3; Cactin (mouse) mapping to 10 C1.

SOURCE

Cactin (D-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Cactin of human origin.

RESEARCH USE

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

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-240077 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Cactin (D-16) is recommended for detection of Cactin 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); non cross-reactive with other C19orf family members.

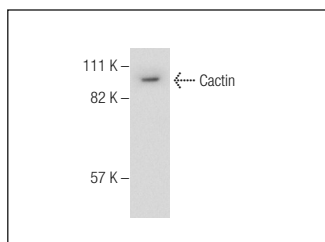
Cactin (D-16) is also recommended for detection of Cactin in additional species, including canine, bovine and porcine.

Suitable for use as control antibody for Cactin siRNA (h): sc-97608, Cactin siRNA (m): sc-108767, Cactin shRNA Plasmid (h): sc-97608-SH, Cactin shRNA Plasmid (m): sc-108767-SH, Cactin shRNA (h) Lentiviral Particles: sc-97608-V and Cactin shRNA (m) Lentiviral Particles: sc-108767-V.

Molecular Weight of Cactin isoforms: 89/108 kDa.

Positive Controls: Ca Ski whole cell lysate: sc-364360.

DATA



Cactin (D-16): sc-240077. Western blot analysis of Cactin expression in Ca Ski whole cell lysate.

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.

MONOS
Satisfaction
Guaranteed

Try **Cactin (D-10): sc-515391** or **Cactin (C-2): sc-514620**, our highly recommended monoclonal alternatives to Cactin (D-16).