SANTA CRUZ BIOTECHNOLOGY, INC.

# syntenin-2 (D-13): sc-69622

SANTA CRUZ BIOTECHNOLOGY

*The Power to Question*

## BACKGROUND

Syntenin-2, also known as SDCBP2 (syndecan binding protein (syntenin) 2), ST-2 or SITAC18, is a 292 amino acid protein that contains two PDZ (DHR) domains and functions as either a monomer or a homodimer that interacts with syntenin-1. Multiple isoforms of syntenin-2 exist and are encoded by a gene which maps to human chromosome 20. Comprising approximately 2% of the human genome, chromosome 20 contains nearly 63 million bases that encode over 600 genes, some of which are associated with Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome. Additionally, chromosome 20 contains a region with numerous genes which are thought important for seminal production and may be potential targets for male contraception.

## REFERENCES


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## CHROMOSOMAL LOCATION

Genetic locus: SDCBP2 (human) mapping to 20p13.

## SOURCE

syntenin-2 (D-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of syntenin-2 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-69622 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

syntenin-2 (D-13) is recommended for detection of syntenin-2 of human and rat 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).

syntenin-2 (D-13) is also recommended for detection of syntenin-2 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for syntenin-2 siRNA (h): sc-76622, syntenin-2 shRNA Plasmid (h): sc-76622-SH and syntenin-2 shRNA (h) Lentiviral Particles: sc-76622-V.

Molecular Weight of human syntenin-2 $\alpha$ isoform: 37 kDa.

Molecular Weight of human syntenin-2 $\beta$ isoform: 26 kDa.

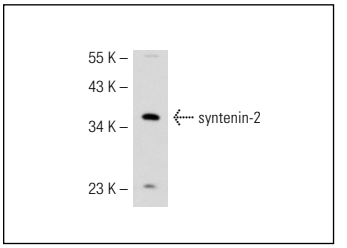
Molecular Weight of rodent syntenin-2: 32 kDa.

Positive Controls: SK-N-MC cell lysate: sc-2237.

## 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.

## DATA




syntenin-2 (D-13): sc-69622. Western blot analysis of syntenin-2 expression in SK-N-MC whole cell lysate.

## RESEARCH USE

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