# syntenin-2 (M-17): sc-69625



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 2 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 (mouse) mapping to 2 G3.

#### **SOURCE**

syntenin-2 (M-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of syntenin-2 of mouse 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 200  $\mu g$  lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-69625 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## **APPLICATIONS**

syntenin-2 (M-17) is recommended for detection of syntenin-2 of mouse and rat 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).

syntenin-2 (M-17) is also recommended for detection of syntenin-2 in additional species, including equine and canine.

Suitable for use as control antibody for syntenin-2 siRNA (m): sc-76623, syntenin-2 shRNA Plasmid (m): sc-76623-SH and syntenin-2 shRNA (m) Lentiviral Particles: sc-76623-V.

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

Molecular Weight of human syntenin-2 β isoform: 26 kDa.

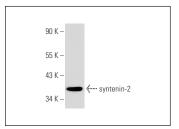
Molecular Weight of rodent syntenin-2: 32 kDa.

Positive Controls: NIH/3T3 whole cell lysate: sc-2210.

# **RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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 donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## DATA



syntenin-2 (M-17): sc-69625. Western blot analysis of syntenin-2 expression in NIH/3T3 whole cell lysate.

#### **RESEARCH USE**

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