SANTA CRUZ BIOTECHNOLOGY, INC.

SHKBP1 (G-12): sc-169307

BACKGROUND

SHKBP1, also known as SH3KBP1 binding protein 1, is a 707 amino acid protein belonging to the KCTD3 family. Acting downstream of Flt-3/Flk-2, SHKBP1 interacts with CIN85. SHKBP1 contains a BTB/POZ domain, which is involved in ring canal formation and chromatin folding, and five WB repeats. SHKBP1 exists as two alternatively spliced isoforms and maps to human chromosome 19q13.2. Chromosome 19 consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin (Ig) superfamily members, including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG families and Fc receptors (FcRs).

REFERENCES

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3. Saba, I., Kosan, C., Vassen, L. and Moroy, T. 2011. IL-7R-dependent survival and differentiation of early T-lineage progenitors is regulated by the BTB/POZ domain transcription factor Miz-1. Blood 117: 3370-3381.
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CHROMOSOMAL LOCATION

Genetic locus: SHKBP1 (human) mapping to 19q13.2; Shkbp1 (mouse) mapping to 7 A3.

SOURCE

SHKBP1 (G-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of SHKBP1 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-169307 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

SHKBP1 (G-12) is recommended for detection of SHKBP1 of mouse, rat and 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).

SHKBP1 (G-12) is also recommended for detection of SHKBP1 in additional species, including equine, canine and bovine.

Suitable for use as control antibody for SHKBP1 siRNA (h): sc-97631, SHKBP1 siRNA (m): sc-153452, SHKBP1 shRNA Plasmid (h): sc-97631-SH, SHKBP1 shRNA Plasmid (m): sc-153452-SH, SHKBP1 shRNA (h) Lentiviral Particles: sc-97631-V and SHKBP1 shRNA (m) Lentiviral Particles: sc-153452-V.

Molecular Weight of SHKBP1 isoform 1: 76 kDa.

Molecular Weight of SHKBP1 isoform 2: 33 kDa.

Positive Controls: mouse brain extract: sc-2253.

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.

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.