SANTA CRUZ BIOTECHNOLOGY, INC.

SH3BP5L (P-17): sc-244126

BACKGROUND

SH3BP5L (SH3-binding domain protein 5-like) is a 393 amino acid protein that belongs to the SH3BP5 family. The SH3BP5L gene is conserved in chimpanzee, canine, bovine, mouse, rat and zebrafish, and maps to human chromosome 1q44. Duplication of the 1q32.1 to 1q44 region is associated with short stature, multiple minor anomalies and mental retardation. Chromosome 1 is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,0000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1. A breakpoint has been identified in 1q which disrupts the DISC1 gene and is linked to schizophrenia. Aberrations in chromosome 1 are found in a variety of cancers including head and neck cancer, malignant melanoma and multiple myeloma.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SH3BP5L (human) mapping to 1q44; Sh3bp5l (mouse) mapping to 11 B1.3.

SOURCE

SH3BP5L (P-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of SH3BP5L 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-244126 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

SH3BP5L (P-17) is recommended for detection of SH3BP5L 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).

SH3BP5L (P-17) is also recommended for detection of SH3BP5L in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for SH3BP5L siRNA (h): sc-88732, SH3BP5L siRNA (m): sc-153437, SH3BP5L shRNA Plasmid (h): sc-88732-SH, SH3BP5L shRNA Plasmid (m): sc-153437-SH, SH3BP5L shRNA (h) Lentiviral Particles: sc-88732-V and SH3BP5L shRNA (m) Lentiviral Particles: sc-153437-V.

Molecular Weight of SH3BP5L: 43 kDa.

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.