

STRIP2 (P-13): sc-162799

BACKGROUND

STRIP2 (striatin interacting protein 2), also known as FAM40B, is an 834 amino acid cytoplasmic protein that belongs to the STRIP family and exists as two alternatively spliced isoforms. While it plays a role in the regulation of cell morphology and cytoskeletal organization, STRIP2 is required in the control of cell shape. The gene that encodes STRIP2 consists of close to 54,000 bases and maps to human chromosome 7q32.1. Housing over 1,000 genes, chromosome 7 comprises nearly 5% of the human genome. Chromosome 7 has been linked to osteogenesis imperfecta, Pendred syndrome, lissencephaly, cirullinemia and Shwachman-Diamond syndrome. The deletion of a portion of the q arm of chromosome 7 is associated with Williams-Beuren syndrome, a condition characterized by mild mental retardation, an unusual comfort and friendliness with strangers and an elfin appearance. Deletions of portions of the q arm of chromosome 7 are also seen in a number of myeloid disorders including cases of acute myelogenous leukemia and myelodysplasia.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: STRIP2 (human) mapping to 7q32.1; Strip2 (mouse) mapping to 6 A3.3.

SOURCE

STRIP2 (P-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of STRIP2 of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-162799 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

STRIP2 (P-13) is recommended for detection of STRIP2 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); non cross-reactive with STRIP2.

STRIP2 (P-13) is also recommended for detection of STRIP2 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for STRIP2 siRNA (h): sc-89616, STRIP2 siRNA (m): sc-145040, STRIP2 shRNA Plasmid (h): sc-89616-SH, STRIP2 shRNA Plasmid (m): sc-145040-SH, STRIP2 shRNA (h) Lentiviral Particles: sc-89616-V and STRIP2 shRNA (m) Lentiviral Particles: sc-145040-V.

Molecular Weight of STRIP2: 95 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.