

SNIP1 (H-118): sc-292809

BACKGROUND

Members of the transforming growth factor- β (TGF β) superfamily play critical roles in controlling cell growth and differentiation. Effects of TGF β family ligands are mediated by Smad proteins. The Smad nuclear interacting protein (SNIP1) contains a forkhead-associated (FHA) domain and acts as a nuclear inhibitor of CBP/p300. SNIP1 potentially inhibits the activity of NF κ B, which binds the C/H1 domain of CBP/p300, by competing for the binding site. SNIP1 is also thought to induce expression of Cyclin D1 to promote cellular proliferation. SNIP1 is ubiquitously expressed with high expression in heart and skeletal muscle.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SNIP1 (human) mapping to 1p34.3; Snip1 (mouse) mapping to 4 D2.2.

SOURCE

SNIP1 (H-118) is a rabbit polyclonal antibody raised against amino acids 216-333 mapping near the C-terminus of SNIP1 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.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

SNIP1 (H-118) is recommended for detection of SNIP1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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).

SNIP1 (H-118) is also recommended for detection of SNIP1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for SNIP1 siRNA (h): sc-61581, SNIP1 siRNA (m): sc-61582, SNIP1 shRNA Plasmid (h): sc-61581-SH, SNIP1 shRNA Plasmid (m): sc-61582-SH, SNIP1 shRNA (h) Lentiviral Particles: sc-61581-V and SNIP1 shRNA (m) Lentiviral Particles: sc-61582-V.

Molecular Weight of SNIP1: 45.8 kDa.

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.

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.