

SASH1 (C-17): sc-169253

BACKGROUND

SASH1 (SAM and SH3 domain-containing protein 1), also known as PEPE1 (proline-glutamate repeat-containing protein), is a 1,247 amino acid protein that is significantly downregulated in the majority of primary breast tumor tissues, breast cancer cell lines, lung and thyroid tumors, as well as in certain colon carcinomas. It has been hypothesized that its expression is suppressed not due to mutation of the SASH1 gene, but instead via other mechanisms, such as promoter methylation. As a member of the SH3-domain containing expressed in lymphocytes (SLY1) gene family, SASH1 contains two sterile α modules (SAMs) and one Src homology-3 (SH3) domain, motifs that are predominantly found in adaptors, scaffold proteins and signaling molecules. Downregulation of SASH1 expression correlates with the formation of distant metastasis and is considered a negative prognostic parameter for patient survival.

CHROMOSOMAL LOCATION

Genetic locus: SASH1 (human) mapping to 6q24.3; Sash1 (mouse) mapping to 10 A1.

SOURCE

SASH1 (C-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of SASH1 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-169253 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

APPLICATIONS

SASH1 (C-17) is recommended for detection of SASH1 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).

SASH1 (C-17) is also recommended for detection of SASH1 in additional species, including bovine.

Suitable for use as control antibody for SASH1 siRNA (h): sc-95258, SASH1 siRNA (m): sc-153228, SASH1 shRNA Plasmid (h): sc-95258-SH, SASH1 shRNA Plasmid (m): sc-153228-SH, SASH1 shRNA (h) Lentiviral Particles: sc-95258-V and SASH1 shRNA (m) Lentiviral Particles: sc-153228-V.

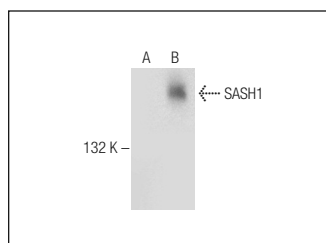
Molecular Weight of SASH1: 140 kDa.

Positive Controls: SASH1 (m): 293T Lysate: sc-179450.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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



SASH1 (C-17): sc-169253. Western blot analysis of SASH1 expression in non-transfected: sc-117752 (A) and mouse SASH1 transfected: sc-179450 (B) 293T whole cell lysates.

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.


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Try **SASH1 (X1): sc-517001**, our highly recommended monoclonal alternative to SASH1 (C-17).