

RASSF8 (K-17): sc-82345

BACKGROUND

RASSF8 (Ras association (RalGDS/AF-6 or RA) domain (N-terminal) family member 8), also known as HoJ-1 (carcinoma-associated protein HoJ-1), is an evolutionarily conserved member of the N-terminal RASSF family which is also comprised of RASSF7, PAMCI (or RASSF9) and RASSF10. RASSF8 contains an N-terminal RA domain and is believed to participate in the Ras signaling pathway. A reciprocal chromosomal translocation involving the genes encoding RASSF8 and Fibulin-1 is associated with a complex form of synpolydactyly, a condition in which there are typically more than five digits on a hand or foot and patients exhibit webbing or fusion of fingers and toes. In addition, RASSF8 is capable of acting as a tumor suppressor in lung cancer, as is suggested by the ectopic expression of RASSF8 inhibiting anchorage-independent growth. This implies that the loss of functional RASSF8 may be implicated in the development of lung cancer.

CHROMOSOMAL LOCATION

Genetic locus: RASSF8 (human) mapping to 12p12.1; Rassf8 (mouse) mapping to 6 G3.

SOURCE

RASSF8 (K-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of RASSF8 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-82345 P, (100 µg 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

RASSF8 (K-17) is recommended for detection of RASSF8 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg 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); non cross-reactive with other RASSF family members.

RASSF8 (K-17) is also recommended for detection of RASSF8 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for RASSF8 siRNA (h): sc-76357, RASSF8 siRNA (m): sc-76358, RASSF8 shRNA Plasmid (h): sc-76357-SH, RASSF8 shRNA Plasmid (m): sc-76358-SH, RASSF8 shRNA (h) Lentiviral Particles: sc-76357-V and RASSF8 shRNA (m) Lentiviral Particles: sc-76358-V.

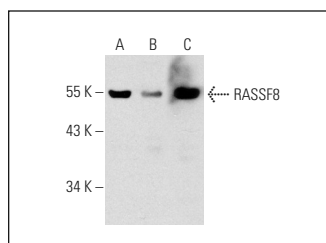
Molecular Weight of RASSF8: 48 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, F9 cell lysate: sc-2245 or PC-12 cell lysate: sc-2250.

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



RASSF8 (K-17): sc-82345. Western blot analysis of RASSF8 expression in PC-12 (A) and F9 (B) whole cell lysates and mouse testis tissue extract (C).

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 **RASSF8 (4B1): sc-81934**, our highly recommended monoclonal alternative to RASSF8 (K-17).