

SFI1 (W-13): sc-86861

BACKGROUND

SFI1, also known as PISD, is a 1,242 amino acid protein belonging to the SFI1 family. Subcellularly localized to the centrosome, SFI1 interacts with Centrin-2 via a conserved Trp residue in the C-terminal end of SFI1. Via this interaction with Centrin-2, SFI1 plays a role in the dynamic structure of centrosome-associated contractile fibers. SFI1 also contains six HAT repeats, which may be involved in protein-protein interactions. SFI1 is expressed as seven isoforms produced by alternative splicing. SFI1 has been found to be expressed in brain, testis, uterus and lung.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SFI1 (human) mapping to 22q12.2.

SOURCE

SFI1 (W-13) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of SFI1 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-86861 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

SFI1 (W-13) is recommended for detection of SFI1 of 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).

SFI1 (W-13) is also recommended for detection of SFI1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for SFI1 siRNA (h): sc-76488, SFI1 shRNA Plasmid (h): sc-76488-SH and SFI1 shRNA (h) Lentiviral Particles: sc-76488-V.

Molecular Weight of SFI1: 147 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) 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.