

FIBCD1 (P-12): sc-136685

BACKGROUND

FIBCD1 (fibrinogen C domain containing 1) is a 461 amino acid single-pass membrane protein that contains one fibrinogen C-terminal domain and exists as multiple alternatively spliced isoforms. The gene encoding FIBCD1 maps to human chromosome 9, which contains 145 million base pairs, comprises 4% of the human genome and encodes nearly 900 genes. Hereditary hemorrhagic telangiectasia and familial dysautonomia are both associated with chromosome 9. Notably, chromosome 9 encompasses the largest interferon family gene cluster. Chromosome 9 is partnered with chromosome 22 in translocations that lead to the aberrant production of a BCR-ABL fusion protein often found in leukemias.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FIBCD1 (human) mapping to 9q34.12; Fibcd1 (mouse) mapping to 2 B.

SOURCE

FIBCD1 (P-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of FIBCD1 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-136685 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FIBCD1 (P-12) is recommended for detection of FIBCD1 isoforms 1 and 2 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).

FIBCD1 (P-12) is also recommended for detection of FIBCD1 isoforms 1 and 2 in additional species, including bovine and porcine.

Suitable for use as control antibody for FIBCD1 siRNA (h): sc-92954, FIBCD1 siRNA (m): sc-145172, FIBCD1 shRNA Plasmid (h): sc-92954-SH, FIBCD1 shRNA Plasmid (m): sc-145172-SH, FIBCD1 shRNA (h) Lentiviral Particles: sc-92954-V and FIBCD1 shRNA (m) Lentiviral Particles: sc-145172-V.

Molecular Weight of FIBCD1: 51 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.