SANTA CRUZ BIOTECHNOLOGY, INC.

WFIKKN2 (D-15): sc-165903

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The Power to Question

BACKGROUND

WFIKKN2 (WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain containing 2), also known as GASP-1, hGASP-1 or WFIKKNRP, is a 576 amino acid secreted protein that belongs to the WFIKKN family. Expressed in ovary, testis and brain, WFIKKN2 consists of two BPTI/Kunitz inhibitor domains, an Ig-like C2-type (immunoglobulin-like) domain, a Kazal-like domain, an NTR domain and a WAP domain. The WAP-type, follistatin type, Kunitz-type and NTR-type protease inhibitory domains may control the action of multiple types of proteases. WFIKKN2 is suggested to bind to growth and differentiation factors, GDF-8 and GDF-11, with high affiniity thereby regulating their actiivity. WFIKKN2 is encoded by a gene located on human chromosome 17q21.33.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: WFIKKN2 (human) mapping to 17q21.33; Wfikkn2 (mouse) mapping to 11 D.

SOURCE

WFIKKN2 (D-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of WFIKKN2 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-165903 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

WFIKKN2 (D-15) is recommended for detection of WFIKKN2 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); non cross-reactive with WFIKKN.

WFIKKN2 (D-15) is also recommended for detection of WFIKKN2 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for WFIKKN2 siRNA (h): sc-93807, WFIKKN2 siRNA (m): sc-155346, WFIKKN2 shRNA Plasmid (h): sc-93807-SH, WFIKKN2 shRNA Plasmid (m): sc-155346-SH, WFIKKN2 shRNA (h) Lentiviral Particles: sc-93807-V and WFIKKN2 shRNA (m) Lentiviral Particles: sc-155346-V.

Molecular Weight of WFIKKN2: 64 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.