SANTA CRUZ BIOTECHNOLOGY, INC.

EDIL3 (G-14): sc-161035

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The Power to Question

BACKGROUND

EDIL3 (EGF-like repeats and discoidin I-like domains 3), also known as developmentally-regulated endothelial cell locus 1 protein or integrin-binding protein DEL1, is a 480 amino acid secreted glycoprotein that may act as an angiogenic factor during solid tumor formation. Expressed in embryonic endothelial cells, EDIL3 acts a ligand of Integrin αVβ3 to promote endothelial cell adhesion via an autocrine angiogenic signaling pathway. EDIL3 is also known to participate in vascular morphogenesis during embryonic development and is important for vessel wall remodeling. Containing three EGF-like domains and two F5/8 type C domains, EDIL3 exists as two alternatively spliced isoforms that are encoded by a gene mapping to human chromosome 5q14.3.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: EDIL3 (human) mapping to 5q14.3; Edil3 (mouse) mapping to 13 C3.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

SOURCE

EDIL3 (G-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of EDIL3 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-161035 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

EDIL3 (G-14) is recommended for detection of EDIL3 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).

EDIL3 (G-14) is also recommended for detection of EDIL3 in additional species, including canine, bovine, porcine and avian.

Suitable for use as control antibody for EDIL3 siRNA (h): sc-91971, EDIL3 siRNA (m): sc-143297, EDIL3 shRNA Plasmid (h): sc-91971-SH, EDIL3 shRNA Plasmid (m): sc-143297-SH, EDIL3 shRNA (h) Lentiviral Particles: sc-91971-V and EDIL3 shRNA (m) Lentiviral Particles: sc-143297-V.

Molecular Weight of EDIL3: 54 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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.