

Fibulin-5 (3F8D5,7F8D5): sc-517203

BACKGROUND

Fibulin proteins contribute to normal development of elastic fiber systems in various types of organs that require elasticity, such as vasculature, lung and skin. Fibulin-5 (EVEC, UP50, DANCE) is an integrin-binding extracellular matrix protein that mediates endothelial cell adhesion. Fibulin-5 is also a calcium-dependent elastin-binding protein that scaffolds cells to elastic fibers, thereby preventing elastinopathy in the skin, lung, and vasculature. The Arg-Gly-Asp (RGD) motif in Fibulin-5 interacts with cell surface integrins $\alpha_v\beta_3$, $\alpha_v\beta_5$ and $\alpha_9\beta_1$, serves as an anchorage for elastic fibers to cells, and promotes organization of elastic fibers. The human Fibulin-5 gene maps to chromosome 14q32.12 and encodes a 488 amino acid protein.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FBLN5 (human) mapping to 14q32.12.

SOURCE

Fibulin-5 (3F8D5,7F8D5) is a mouse monoclonal antibody raised against a recombinant protein corresponding to amino acids 242-448 of Fibulin-5 of human origin.

PRODUCT

Each vial contains 100 μ g IgM in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

RESEARCH USE

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

APPLICATIONS

Fibulin-5 (3F8D5,7F8D5) is recommended for detection of Fibulin-5 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Fibulin-5 siRNA (h): sc-43121, Fibulin-5 shRNA Plasmid (h): sc-43121-SH and Fibulin-5 shRNA (h) Lentiviral Particles: sc-43121-V.

Molecular Weight of Fibulin-5: 66 kDa.

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 for detailed protocols and support products.