Fibulin-1 (B-5): sc-25281

**BACKGROUND**
Fibulin-1 is a modular glycoprotein component of the elastic extracellular matrix fibers, basement membranes and blood. Fibulin-1 self associates as well as binds to calcium, Fibronectin, Laminin, nidogen and Fibrinogen. These interactions, individually or in combination, may account for the observed association of Fibulin-1 with basement membranes, connective tissue elastic fibers and fibrin clots. Fibulin-1 expression is stimulated by estrogen in ovarian cancer cell lines and has been suggested as both an agent of metastasis in ovarian cancer cells and an indicator for predicting cancer risk or aggressiveness in ovarian carcinomas. Other studies point to the inhibition of cancer cell motility with increasing exposure to Fibulin-1. The exact function of Fibulin-1 in the cell is unknown.

**REFERENCES**

**CHROMOSOMAL LOCATION**
Genetic locus: FBLN1 (human) mapping to 22q13.31.

**SOURCE**
Fibulin-1 (B-5) is a mouse monoclonal antibody raised against amino acids 1-190 of Fibulin-1 of human origin.

**PRODUCT**
Each vial contains 200 µg IgG2a in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**STORAGE**
Store at 4°C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**APPLICATIONS**
Fibulin-1 (B-5) is recommended for detection of Fibulin-1 of human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:5,000), immunoprecipitation [1–2 µg per 100–500 µg of total protein (1 ml of cell lysate)], immunofluorescence and immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Fibulin-1 siRNA (h): sc-35372, Fibulin-1 shRNA Plasmid (h): sc-35372-SH and Fibulin-1 shRNA (h) Lentiviral Particles: sc-35372-V.

Molecular Weight of Fibulin-1: 100 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, CCD-1064Sk cell lysate: sc-2263 or ZR-75-1 cell lysate: sc-2241.

**DATA**
Fibulin-1 (B-5): sc-25281. Western blot analysis of Fibulin-1 expression in non-transfected: sc-117752 (A) and human Fibulin-1 transfected: sc-159220 (B) 293T whole cell lysates.

Fibulin-1 (B-5): sc-25281. Immunoperoxidase staining of formalin fixed, paraffin-embedded human endometrium tissue showing cytoplasmic and membrane staining of endometrial stroma, myometrium and glandular cells. Kindly provided by The Swedish Human Protein Atlas (HPA) program.

**SELECT PRODUCT CITATIONS**

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