**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; Fbln1 (mouse) mapping to 15 E2.

**SOURCE**

Fibulin-1 (B-2) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 83-117 within an internal region of Fibulin-1 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG1 kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Blocking peptide available for competition studies, sc-374539 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

**APPLICATIONS**

Fibulin-1 (B-2) is recommended for detection of all Fibulin-1 isoforms of mouse, rat and human origin by Western Blotting [starting dilution: 1:100, dilution range: 1:100-1:1000], immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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].

Suitable for use as control antibody for Fibulin-1 siRNA (h): sc-35372, Fibulin-1 siRNA (m): sc-35373, Fibulin-1 shRNA Plasmid (h): sc-35372-SH, Fibulin-1 shRNA Plasmid (m): sc-35373-SH, Fibulin-1 shRNA (h) Lentiviral Particles: sc-35372-V and Fibulin-1 shRNA (m) Lentiviral Particles: sc-35373-V.

Molecular Weight of Fibulin-1: 100 kDa.

Positive Controls: A-431 whole cell lysate: sc-2201, CCD-1064Sk cell lysate: sc-2263 or ZR-75-1 cell lysate: sc-2241.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG1 A/B P-HRP: sc-516102 or m-IgG1 A/B P-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-IgG1 A/B-FITC: sc-516140 or m-IgG1 A/B-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Hard-set Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

**DATA**

**STORAGE**

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

See Fibulin-1 (B-5): sc-25281 for Fibulin-1 antibody conjugates, including AC, HRP, FITC, PE, Alexa Fluor® 488 and Alexa Fluor® 647.