bs-0809R **[Primary Antibody]**

Fibulin 1 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2192 **SWISS:** P23142

Target: Fibulin 1

Immunogen: KLH conjugated synthetic peptide derived from human Fibulin 1: 501-600/703.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Fibulin-1 is an extracellular matrix protein often associated with fibronectin (FN) in vivo. Fibulin-1 was found to have pronounced inhibitory effects on the cell attachment and spreading promoted by FN. Fibulin-1 was also found to inhibit the motility of a variety of cell types on FN substrata. For example, the FN-dependent haptotactic motility of breast carcinoma (MDA MB231) cells, epidermal carcinoma (A431), melanoma (A375 SM), rat pulmonary aortic smooth muscle cells (PAC1) and Chinese hamster ovary (CHO) cells was inhibited by the presence of fibulin-1 bound to FN-coated Boyden chamber membranes. Cells transfected to overproduce fibulin-1 displayed reduced velocity, distance of movement and persistence time on FN substrata. Similarly, the incorporation of fibulin-1 into FN-containing type I collagen gels inhibited the invasion of endocardial cushion mesenchymal cells migrating from cultured embryonic heart explants. By contrast, incorporation of fibulin-1 into collagen gels lacking FN had no effect on the migration of endocardial cushion cells.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Pig, Cow, Chicken, Dog, Horse)

Predicted MW.: 74 kDa

Subcellular Location: Secreted ,Extracellular matrix

SELECTED CITATIONS

- **[IF=12.04]** Angenendt, L., et al. "An atlas of bloodstream-accessible bone marrow proteins for site-directed therapy of acute myeloid leukemia." Leukemia(2017). IHC ;Human, Rat. 28663580
- **[IF=4.175]** Yi Hao. et al. Discovery and validation of FBLN1 and ANT3 as potential biomarkers for early detection of cervical cancer. Cancer Cell Int. 2021 Dec;21(1):1-13 WB,IF ;Human. 33602229