

Periostin polyclonal antibody

Catalog: BS91053

Host: Rabbit

Reactivity: Human

BackGround:

Periostin (PN), also designated osteoblast-specific factor 2 (OSF-2), is a disulfide linked protein originally isolated as a osteoblast-specific factor. Periostin is a secreted protein that binds heparin and functions as a ligand for alpha(V)beta and alpha(V)beta integrins. In preosteoblasts, Periostin acts as a cell adhesion molecule and plays a role in osteoblast recruitment, spreading and attachment. Periostin is mainly detected in lower gastrointestinal tract, aorta, stomach, placenta, uterus and breast tissues but is up-regulated in epithelial ovarian tumors and overexpressed in breast cancer. Expression of Periostin is increased by bone morphogenetic protein (BMP2) and transforming growth factor β 1 (TGF β 1). Periostin contains a typical signal sequence, followed by a cysteine-rich domain, a fourfold repeated domain, which shows homology with the insect protein fasciclin, and a C-terminal domain.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

89 kDa

Swiss-Prot:

Q15063(Human)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

FC:1:50-1:100

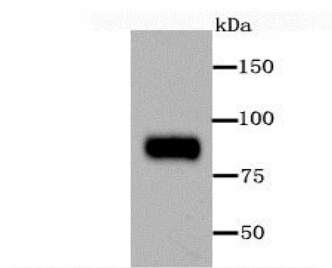
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

Specificity:

Periostin polyclonal antibody detects endogenous levels of Periostin protein.

DATA:



Western blot analysis of Periostin on human placenta tissue lysate using anti-Periostin antibody at 1/1,000 dilution.

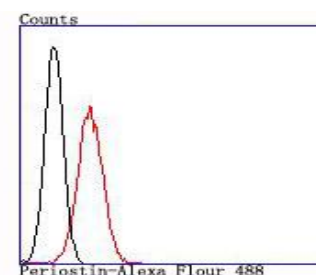


Fig2:Flow cytometric analysis of 293T cells with Periostin antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Note:

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

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