

Recombinant Anti-Periostin Rabbit mAb

Catalog # AP94852

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q15063
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal
Calculated MW	93314

Additional Information

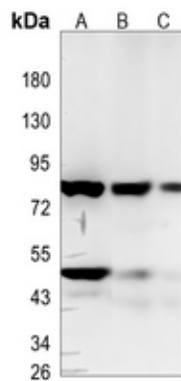
Gene ID	10631
Other Names	OSF2; Periostin; PN; Osteoblast-specific factor 2; OSF-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Periostin. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Storage	Store at -20 °C. Stable for 12 months from date of receipt

Protein Information

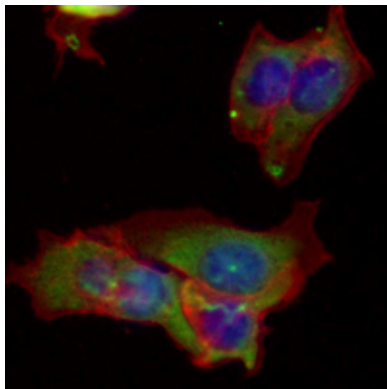
Name	POSTN
Synonyms	OSF2
Function	Induces cell attachment and spreading and plays a role in cell adhesion (PubMed: 12235007). Enhances incorporation of BMP1 in the fibronectin matrix of connective tissues, and subsequent proteolytic activation of lysyl oxidase LOX (By similarity).
Cellular Location	Golgi apparatus {ECO:0000250 UniProtKB:Q62009}. Secreted Secreted, extracellular space, extracellular matrix Note=Colocalizes with BMP1 in the Golgi {ECO:0000250 UniProtKB:Q62009}
Tissue Location	Widely expressed with highest levels in aorta, stomach, lower gastrointestinal tract, placenta, uterus, thyroid tissue and breast. Expressed in the kidney (PubMed:21763681). Expressed in the lung (PubMed:22079858). Up-regulated in epithelial ovarian tumors. Not expressed in normal ovaries. Also highly expressed at the tumor periphery of lung carcinoma tissue but not within the

tumor Overexpressed in breast cancers.

Images



Western blot analysis of Periostin expression in HEK293T (A), H1792 (B), mouse liver (C) whole cell lysates.
(Predicted band size: 93 kD; Observed band size: 90 kD)



Immunofluorescent analysis of Periostin staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.