

POSTN Polyclonal Antibody

Catalog No :	YN2363
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	POSTN
Gene Name :	POSTN OSF2
Protein Name :	Periostin (PN) (Osteoblast-specific factor 2) (OSF-2)
Human Gene Id :	10631
Human Swiss Prot No :	Q15063
Mouse Swiss Prot No :	Q62009
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	POSTN Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	91kD

Background :

This gene encodes a secreted extracellular matrix protein that functions in tissue development and regeneration, including wound healing, and ventricular remodeling following myocardial infarction. The encoded protein binds to integrins to support adhesion and migration of epithelial cells. This protein plays a role in cancer stem cell maintenance and metastasis. Mice lacking this gene exhibit cardiac valve disease, and skeletal and dental defects. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015],

Function :

function: Binds to heparin. Induces cell attachment and spreading and plays a role in cell adhesion. May play a role in extracellular matrix mineralization., PTM: Gamma-carboxyglutamate residues are formed by vitamin K dependent carboxylation. These residues are essential for the binding of calcium., similarity: Contains 1 EMI domain., similarity: Contains 4 FAS1 domains., tissue specificity: Widely expressed with highest levels in aorta, stomach, lower gastrointestinal tract, placenta, uterus and breast. 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.,

Subcellular Location :

Golgi apparatus . Secreted . Secreted, extracellular space, extracellular matrix . Colocalizes with BMP1 in the Golgi. .

Expression :

Widely expressed with highest levels in aorta, stomach, lower gastrointestinal tract, placenta, uterus, thyroid tissue and breast. 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.

Products Images
