

Anti-Periostin/OSF-2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	(predicted:Human,Mouse,Rat,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 100 kDa.
Purification:	Protein A purified

Applications

Application:	WB,IHC-P,IHC-Fr,IF,ELISA
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; ELISA: 1:5000-10000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Periostin.
Antigen Species:	Human
Gene ID:	10631
Uniprot ID:	Q15063
Synonyms:	PN;OSF-2;periostin;periostin, osteoblast specific factor;OSF2;PDLPOSTN
Biology Area:	Extracellular matrix,Cell adhesion molecules,Cardiomyocyte precursors,Bone,Focal Adhesions, Other Cell Types

Research Background

Periostin is a disulfide linked 90 kDa, 811 amino acid protein originally isolated as a osteoblast-specific factor that functions as a cell adhesion molecule for preosteoblasts and is thought to be involved in osteoblast recruitment, attachment and spreading. Additionally, periostin expression has previously been shown to be significantly increased by both transforming growth factor beta 1(TGF beta 1) and bone morphogenetic protein (BMP2). Periostin has a typical signal sequence, followed by a cysteine-rich domain, a fourfold repeated domain and a C-terminal domain. The fourfold repeated domain of OSF2 shows homology with the insect protein fasciclin. Periostin mRNA is expressed in the developing mouse embryonic and fetal heart, and that it is localized to the endocardial cushions that ultimately divide the primitive heart tube into a four-chambered heart. Abnormal expression of periostin is also linked to angiogenesis and metastasis in epithelial tumors.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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