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Product datasheet for TA320204

Periostin (POSTN) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1-3ug/ml, ELISA: 1:16,000
Reactivity:	Human
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-RKLQANKKVQGSRR, from the C Terminus of the protein sequence according to NP_006466.2; NP_001129406.1; NP_001129407.1; NP_001129408.1
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	93.3 kDa
Gene Name:	periostin
Database Link:	NP_006466 Entrez Gene 10631 Human Q15063

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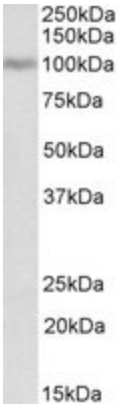
Background: Periostin is a disulfide linked 90 kDa, 811 amino acid protein originally isolated as a osteoblast-specific factor that functions as a cell adhesion molecule for preosteoblasts and is thought to be involved in osteoblast recruitment, attachment and spreading. Additionally, periostin expression has previously been shown to be significantly increased by both transforming growth factor beta 1(TGF beta 1) and bone morphogenetic protein (BMP2). Periostin 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 metastatsis in epithelial tumors.

Synonyms: OSF-2; OSF2; PDLPOSTN; PN

Protein Families: Druggable Genome, Secreted Protein

Product images:



Anti-POSTN (2ug/ml) staining of MCF7 lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.