

Product datasheet for **CF500070**

Periostin (POSTN) Mouse Monoclonal Antibody [Clone ID: OTI1A1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A1
Applications:	IF, WB
Recommended Dilution:	WB 1:500, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-230 of human periostin (NP_006466) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	93.2 kDa
Gene Name:	periostin
Database Link:	NP_006466 Entrez Gene 50706 Mouse Entrez Gene 10631 Human Q15063



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Background:

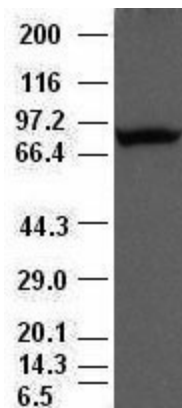
Periostin is a disulfide linked 90 kDa, 811 amino acid protein originally isolated as an osteoblast-specific factor that functions as a cell adhesion molecule for preosteoblasts and is thought to be involved in osteoblast recruitment, attachment and spreading. Additionally, periostin expression has previously 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 metastasis in epithelial tumors.

Synonyms:

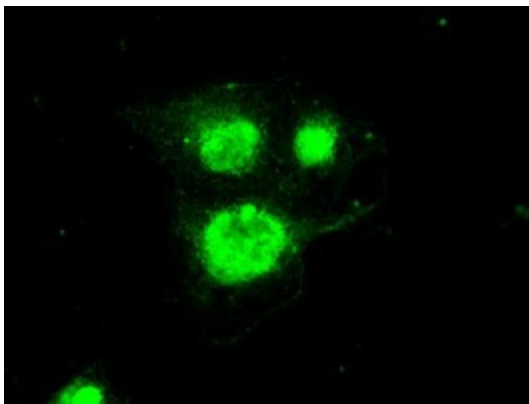
OSF-2; OSF2; PDLPOSTN; PN

Protein Families:

Druggable Genome, Secreted Protein

Product images:

HeLa cells were transfected with human periostin cDNA clone (Cat# [RC215156]) and lysed. Cell lysates were separated by SDS-PAGE and immunoblotted with anti-POSTN mouse monoclonal antibody (Cat# [TA500070]).



Immunofluorescent staining of COS7 cells transfected by pCMV6-ENTRY POSTN (Cat# [RC215156]) using anti-POSTN mouse monoclonal antibody (Cat# [TA500070]).