

## Product datasheet for **DP2019**

### Periostin (POSTN) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot</b> (0.1-1 µg/ml). <b>Immunohistochemistry on Frozen Sections.</b> <b>Immunohistochemistry on Paraffin</b> (1/100-1/5,000).
Reactivity:	Chicken, Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant Human OSF-2 <b>Source of Antigen:</b> E. coli.
Specificity:	The antibody recognizes OSF-2.
Formulation:	0.05 M Phosphate Buffer, 0.1 M NaCl, pH 7.2 without preservatives State: Azide Free State: Lyophilized (sterile filtered) purified IgG fraction
Reconstitution Method:	Add 0.05 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.
Purification:	Immunoaffinity Chromatography on Immobilized Recombinant Human OSF2
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	periostin
Database Link:	<a href="#">Entrez Gene 50706 Mouse</a> <a href="#">Entrez Gene 10631 Human Q15063</a>



[View online »](#)

<b>Background:</b>	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 (TGFbeta1) and bone morphogenetic protein (BMP)-2. OSF-2 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 OSF-2 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.
<b>Synonyms:</b>	POSTN, OSF2, OSF-2, PN
<b>Note:</b>	<b><u>Antibody Content</u></b> 0.05 mg (determined by BCA method, BSA was used as a standard). <b><u>Quality Control Test</u></b> Indirect ELISA - to determine titer of the antibody SDS PAGE - to determine purity of the antibody
<b>Protein Families:</b>	Druggable Genome, Secreted Protein