

## Anti-Periostin/OSF-2 Antibody (5Q795)

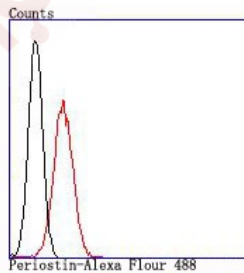
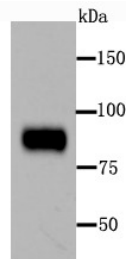
### Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 89 kDa.
Clone:	5Q795
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. Western blot analysis of Periostin on human placenta tissue lysate using anti-Periostin antibody at 1/1,000 dilution.
2. Flow cytometric analysis of 293T cells with Periostin antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).



Application:	FCM,WB
Recommended	WB: 1:500-2000; FCM: 1:50-100

### 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: Recombinant Protein  
Uniprot ID: Q15063  
Synonyms: PDLPOSTN;PN;periostin;periostin, osteoblast specific factor;OSF2;OSF-2

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### Research Background

Periostin (PN), also designated osteoblast-specific factor 2 (OSF-2), is a disulfide linked protein originally isolated as a osteoblast-specific factor. Periostin is a secreted protein that binds heparin and functions as a ligand for alpha(V) beta and alpha(V)beta integrins. In preosteoblasts, Periostin acts as a cell adhesion molecule and plays a role in osteoblast recruitment, spreading and attachment. Periostin is mainly detected in lower gastrointestinal tract, aorta, stomach, placenta, uterus and breast tissues but is up-regulated in epithelial ovarian tumors and overexpressed in breast cancer. Expression of Periostin is increased by bone morphogenetic protein (BMP2) and transforming growth factor  $\beta$  1(TGF  $\beta$  1). Periostin contains a typical signal sequence, followed by a cysteine-rich domain, a fourfold repeated domain, which shows homology with the insect protein fasciclin, and a C-terminal domain.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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