

## Periostin Rabbit mAb

Catalog No: #49572

Package Size: #49572-1 50ul #49572-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

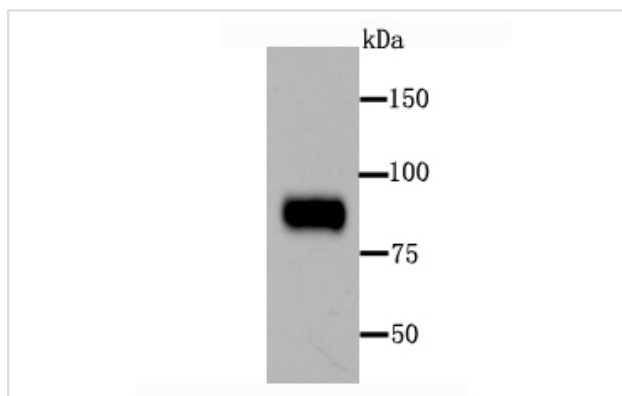
## Description

Product Name	Periostin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JA63-40
Purification	ProA affinity purified
Applications	WB, FC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	Fasciclin-I like antibody MGC119510 antibody MGC119511 antibody OSF 2 antibody OSF-2 antibody OSF2 antibody Osteoblast specific factor 2 (fasciclin I like) antibody Osteoblast specific factor 2 antibody Osteoblast specific factor antibody Osteoblast-specific factor 2 antibody PDLPOSTN antibody Periodontal ligament specific periostin antibody Periostin antibody Periostin isoform thy2 antibody Periostin isoform thy4 antibody Periostin isoform thy6 antibody Periostin isoform thy8 antibody Periostin osteoblast specific factor antibody PN antibody POSTN antibody POSTN_HUMAN antibody RP11 412K4.1 antibody
Accession No.	Swiss-Prot#:Q15063
Uniprot	Q15063
GeneID	10631;
Calculated MW	89 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

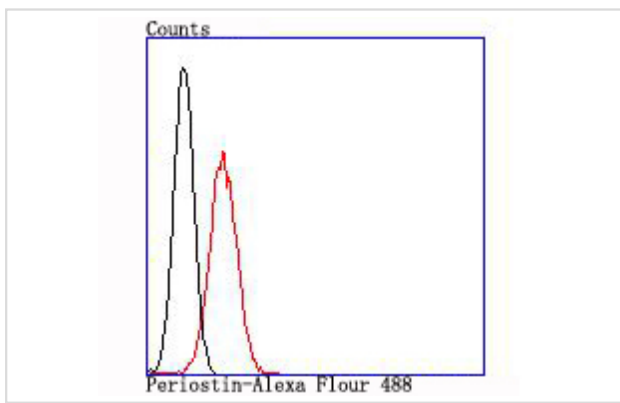
## Application Details

WB: 1:500-1:2,000FC: 1:50-1:100

## Images



Western blot analysis of Periostin on human placenta tissue lysate using anti-Periostin antibody at 1/1,000 dilution.



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).

## 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.

## References

Note: This product is for in vitro research use only