

## Anti-Periostin/POSTN Antibody Picoband®

Catalog Number: PA2048

### About Postn

POSTN (Periostin), also known as PN or OSF2, is a protein that in humans is encoded by the POSTN gene. The International Radiation Hybrid Mapping Consortium mapped the POSTN gene to chromosome 13. Gillan et al. (2002) found that purified recombinant PN supported adhesion of ovarian epithelial cells. Shao et al. (2004) found that periostin was overexpressed by the majority of human primary breast cancers examined. Transfected tumor cell lines overexpressing periostin showed accelerated growth and angiogenesis as xenografts in immunocompromised animals. Kuhn et al. (2007) showed that extracellular periostin induced reentry of differentiated mammalian cardiomyocytes into the cell cycle.

### Overview

Product Name	Anti-Periostin/POSTN Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Periostin/POSTN Antibody catalog # PA2048. Tested in WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q62009

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse Periostin, identical to the related rat sequence, and different from the related human sequence by three amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins

Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Mouse, Rat

## Anti-Periostin/POSTN Antibody Picoband® (PA2048) Images



Anti-Periostin antibody, PA2048, Western blotting  
All lanes:  
Anti Periostin (PA2048) at 0.5ug/ml  
WB: Mouse Cardiac  
Muscle Tissue Lysate at 50ug  
Predicted bind size:  
93KD  
Observed bind size: 93KD

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