

Periostin Antibody (R31158)

Catalog No.	Formulation	Size
R31158	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q62009
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Periostin antibody is available for research use only.



Western blot testing of Periostin antibody and mouse heart. Predicted molecular weight ~93 kDa.

Description

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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Periostin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of mouse Periostin(NSYYDKVLAHSRIRGRDQ) was used as the immunogen for this Periostin antibody (100% rat homology).

Storage

After reconstitution, the Periostin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.