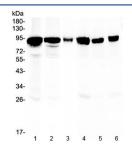


Periostin Antibody (R32897)

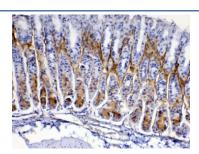
Catalog No.	Formulation	Size
R32897	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

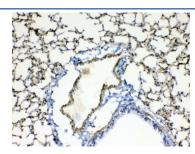
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	D3ZAF5
Localization	Cytoplasm, extracellular space
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml Direct ELISA (recombinant Rat Protein) : 0.1-0.5ug/ml (BSA-free format available)
Limitations	This Periostin antibody is available for research use only.



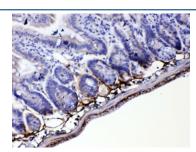
Western blot testing of 1) rat stomach, 2) rat lung, 3) rat NRK cells, 4) mouse heart, 5) mouse intestine and 6) mouse lung lysate with Periostin antibody at 0.5ug/ml. Predicted molecular weight ~93 kDa.



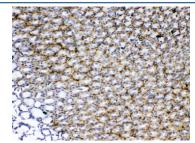
IHC testing of FFPE mouse stomach tissue with Periostin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



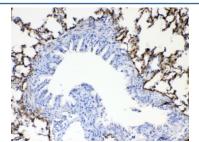
IHC testing of FFPE mouse lung tissue with Periostin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



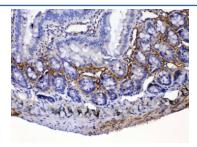
IHC testing of FFPE mouse small intestine tissue with Periostin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat stomach tissue with Periostin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat lung tissue with Periostin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat small intestine tissue with Periostin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

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. It was found that purified recombinant PN supported adhesion of ovarian epithelial cells. And 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. It was showed that extracellular periostin induced reentry of differentiated mammalian cardiomyocytes into the cell cycle.

Application Notes

Optimal dilution of the Periostin antibody should be determined by the researcher.

Immunogen

A recombinant rat protein corresponding to amino acids K577-Q810 was used as the immunogen for the Periostin antibody.

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.