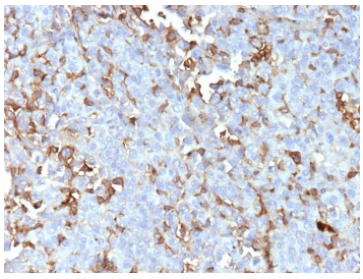
Periostin Antibody / POSTN [clone POSTN/4095] (V5651)

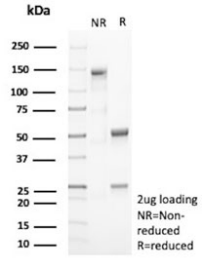
Catalog No.	Formulation	Size
V5651-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5651-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5651SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	POSTN/4095
Purity	Protein G affinity
UniProt	Q15063
Localization	Secreted, Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Periostin antibody is available for research use only.



IHC staining of FFPE human adrenal gland tissue with Periostin antibody (clone POSTN/4095). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Periostin antibody (clone POSTN/4095) as confirmation of integrity and purity.

Description

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 AlphaVbeta3 and AlphaVbeta5 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.

Application Notes

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

Immunogen

A portion of amino acids 193-326 from human POSTN protein was used as the immunogen for the Periostin antibody.

Storage

Aliquot the Periostin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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