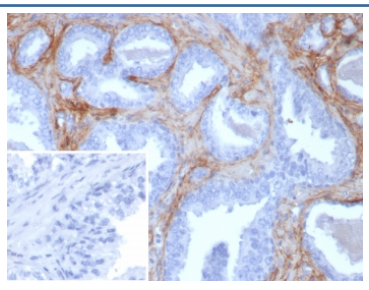
POSTN Antibody / Periostin Stromal Marker Antibody [clone rPOSTN/8522] (V4311)

Catalog No.	Formulation	Size
V4311-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4311-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4311SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

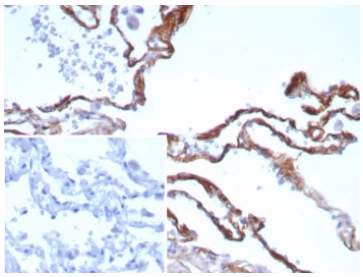
Recombinant | MOUSE MONOCLONAL

Bulk quote request

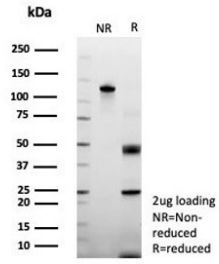
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rPOSTN/8522
Purity	Protein A/G affinity
UniProt	Q15063
Localization	Secreted, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT Western Blot : 2-4ug/ml
Limitations	This POSTN antibody is available for research use only.



POSTN Antibody Human Prostate Tissue IHC. Immunohistochemistry staining of FFPE human prostate tissue with recombinant POSTN antibody (clone rPOSTN/8522). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



POSTN Antibody Human Lung Tissue IHC. Immunohistochemistry staining of FFPE human lung tissue with recombinant POSTN antibody (clone rPOSTN/8522). Inset: PBS used in place of primary Ab (secondary Ab negative control). 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 recombinant POSTN antibody (clone rPOSTN/8522) as confirmation of integrity and purity.

Description

Periostin (POSTN) is a secreted extracellular matrix glycoprotein that plays a critical role in stromal organization, tissue remodeling, and cell-matrix interactions. Periostin (POSTN), also known as osteoblast specific factor 2, is widely expressed in fibroblasts and stromal compartments where it contributes to extracellular matrix assembly and structural support. POSTN Antibody / Periostin Stromal Marker Antibody is particularly useful for identifying stromal activation and extracellular matrix remodeling in tissue sections and experimental models. POSTN is prominently expressed in connective tissues including lung, skin, and cardiovascular structures, and is strongly associated with fibroblast activity and matrix deposition.

POSTN antibody, also referred to as Periostin antibody or osteoblast specific factor 2 antibody, recognizes a matricellular protein that interacts with integrins and other extracellular matrix components to regulate cell adhesion, migration, and survival. Periostin contains fasciclin-like domains that mediate binding to integrins such as alpha v beta 3 and alpha v beta 5, activating downstream signaling pathways involved in cell motility and extracellular matrix organization. As a secreted protein, POSTN is deposited into the extracellular space, where it integrates into collagen-rich matrices and supports structural and signaling functions within tissues.

This POSTN Antibody / Periostin Stromal Marker Antibody is supported by western blot data demonstrating detection of periostin in human tissue lysates, with a band observed in the expected molecular weight range for glycosylated POSTN. The protein typically migrates within a broad range due to isoform diversity and post-translational modification, consistent with its extracellular matrix-associated function. This antibody is well suited for studies focused on stromal biology, where periostin expression reflects active matrix remodeling and fibroblast involvement.

Periostin is strongly induced during wound healing, fibrosis, and tumor progression, where it contributes to extracellular matrix deposition and stromal expansion. In fibrotic tissues, elevated POSTN levels are associated with increased matrix stiffness and altered tissue architecture. In cancer, periostin is frequently enriched in tumor-associated stroma and has been linked to enhanced tumor growth, invasion, and metastatic potential. Its expression is commonly observed in fibroblasts and cancer-associated stromal cells, making it a valuable marker for analyzing tumor microenvironment composition.

In addition to its structural role, POSTN participates in signaling pathways that regulate cell survival and mechanotransduction. Through interactions with integrins and activation of pathways such as PI3K/AKT and focal adhesion kinase, periostin influences cell proliferation, migration, and resistance to apoptosis. These functions are particularly relevant in tissues undergoing mechanical stress and remodeling, including cardiovascular and fibrotic environments. A POSTN antibody can be used in western blot, immunohistochemistry, or other research assays to

evaluate periostin expression in stromal compartments, supporting studies in fibrosis, cancer biology, and extracellular matrix dynamics.

This antibody is part of a broader antibody panel offered by NSJ Bioreagents.

Application Notes

Optimal dilution of the recombinant POSTN antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 193-326) from the human protein was used as the immunogen for the recombinant POSTN antibody.

Storage

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

Alternate Names

PN antibody, POSTN antibody, Periostin antibodyPOSTN antibody, Periostin antibody, Osteoblast specific factor 2 antibody, OSF-2 antibody, Periostin stromal antibody

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