

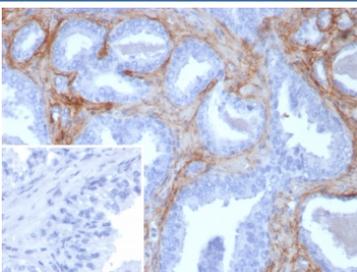
Recombinant POSTN Antibody / Periostin [clone rPOSTN/8522] (V4311)

| 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 |

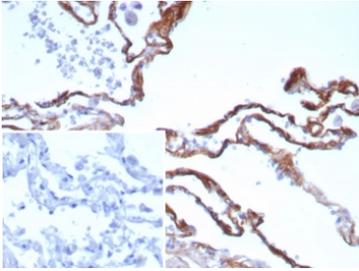
Recombinant **MOUSE MONOCLONAL**

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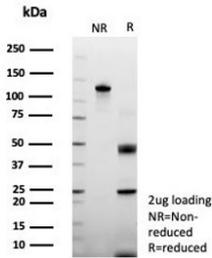
| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Recombinant Mouse Monoclonal |
| Isotype | Mouse IgG1, kappa |
| Clone Name | rPOSTN/8522 |
| Purity | Protein A/G affinity |
| UniProt | Q15063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



IHC 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.



IHC 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 (PN), also designated osteoblast-specific factor 2 (OSF-2), is a disulfide linked protein originally isolated as an 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 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 recombinant POSTN antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.