

Recombinant Periostin (POSTN) Antibody

Rabbit Monoclonal Antibody [Clone POSTN/8951R]

| Catalog No | Format | Size |
|-------------------|---|--------|
| 10631-RBM13-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 10631-RBM13-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 10631-RBM13-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

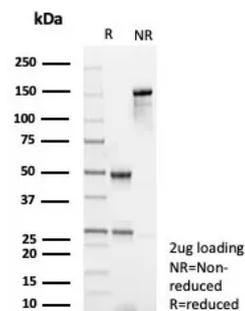
| Applications | Tested Dillution | Note |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

Product Details

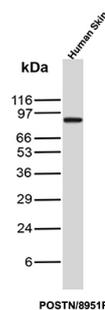
| | |
|------------------------|---|
| Clone | POSTN/8951R |
| Gene Name | POSTN |
| Immunogen | Recombinant fragment of human POSTN protein (exact sequence is proprietary) |
| Host | Rabbit |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG / Kappa |
| Mol. Weight of Antigen | 84/74kDa (Periostin); 90kDa (secreted glycoprotein) |
| Cellular Localization | Secreted. Extracellular space. Extracellular matrix. |
| Species Reactivity | Human |
| Positive Control | breast or colon tissue. Human placenta |

*Optimal dilution for a specific application should be determined.

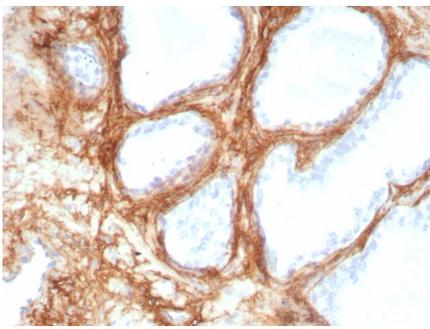
Product Images for Recombinant Periostin (POSTN) Antibody



SDS-PAGE Analysis of Purified Periostin Recombinant Rabbit Monoclonal Antibody (POSTN/8951R). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of Human Skin tissue lysate using Periostin Recombinant Rabbit Monoclonal Antibody (POSTN/8951R).



Formalin-fixed, paraffin-embedded human lung stained with Periostin Recombinant Rabbit Monoclonal Antibody (POSTN/8951R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

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 α V β 3 and α V β 5 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 β 1 (TGF β 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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Endothelial Cell Marker