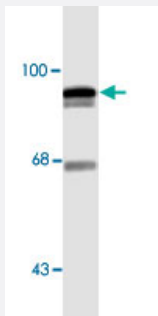


# Postn polyclonal antibody

Catalog # PAB16941      Size 100 uL

## Applications



### Western Blot (Tissue lysate)

Western blot of rat lung lysate showing specific immunolabeling of the ~ 93 kDa Postn protein doublet.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against partial recombinant Postn.
<b>Immunogen</b>	Recombinant protein corresponding to 188 amino acids from the C-terminus of mouse Postn.
<b>Host</b>	Rabbit
<b>Theoretical MW (kDa)</b>	93
<b>Reactivity</b>	Birds, Chicken, Human, Mammals, Mouse, Rat
<b>Specificity</b>	This antibody has been directly tested for reactivity in chicken, human, mouse and rat. This antibody is expected to work on all mammalian and avian species. specific to the ~93 KDa periostin doublet in mouse lung extract. Consistent with the fact that this antibody is made against an alternatively spliced region of periostin, this antibody recognizes only the largest two of the three forms of periostin recognized on Western blots by the Pan periostin antibody and also shows a distinctive staining pattern by immunohistochemistry. This antibody works well for immunohistochemistry on paraformaldehyde-fixed sections with a simple antigen-retrieval protocol (incubate slides for 20 minutes at 90 °C in 10 mM sodium citrate (pH 6.0)/ 0.1 % Tween-20).
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification

<b>Recommend Usage</b>	Western Blot (1:1000) Immunohistochemistry (1:100) The optimal working dilution should be determined by the end user.
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<b>Storage Buffer</b>	In PBS
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<b>Storage Instruction</b>	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.
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## Applications

- Western Blot (Tissue lysate)

Western blot of rat lung lysate showing specific immunolabeling of the ~ 93 kDa Postn protein doublet.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

## Gene Info — Postn

<b>Entrez GeneID</b>	<a href="#">50706</a>
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<b>Protein Accession#</b>	<a href="#">Q62009</a>
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<b>Gene Name</b>	Postn
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<b>Gene Alias</b>	AI747096, OSF-2, Osf2, PN, Periostin, peri
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<b>Gene Description</b>	periostin, osteoblast specific factor
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<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
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<b>Gene Summary</b>	O
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<b>Other Designations</b>	osteoblast specific factor 2 (fasciclin I-like)
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## Publication Reference

- [Neonatal and adult cardiovascular pathophysiological remodeling and repair: developmental role of periostin.](#)

Norris RA, Borg TK, Butcher JT, Baudino TA, Banerjee I, Markwald RR.

Annals of the New York Academy of Sciences 2008 Mar; 1123:30.

Application: WB-Ce, Mouse, Mouse cardiac mesenchymal cells

- [Periostin regulates collagen fibrillogenesis and the biomechanical properties of connective tissues.](#)

Norris RA, Damon B, Mironov V, Kasyanov V, Ramamurthi A, Moreno-Rodriguez R, Trusk T, Potts JD, Goodwin RL, Davis J, Hoffman S, Wen X, Sugi Y, Kern CB, Mjaatvedt CH, Turner DK, Oka T, Conway SJ, Molkentin JD, Forgacs G, Markwald RR.

Journal of Cellular Biochemistry 2007 Jun; 101(3):695.

Application: EM, IHC, IP-WB, WB, Human, Mouse, Heart, Skin, HEK293 cells

- [Periostin is expressed within the developing teeth at the sites of epithelial-mesenchymal interaction.](#)

Kruzynska-Frejtag A, Wang J, Maeda M, Rogers R, Krug E, Hoffman S, Markwald RR, Conway SJ.

Developmental Dynamics 2004 Apr; 229(4):857.

Application: IHC, WB-Ti, Mouse, Mouse cervical loop, Tooth