

Rabbit Periostin Polyclonal Antibody | anti-Postn antibody

Anti-Periostin Picoband Antibody

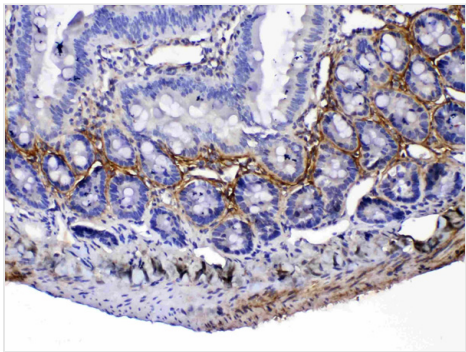
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19149	Rabbit	Mouse, Rat No cross reactivity with other proteins.	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Periostin; Polyclonal Antibody; Anti-Periostin Picoband Antibody; osteoblast specific factor (Predicted); isoform CRA_a; Postn; Postn_predicted; rCG_49960; anti-Postn antibody

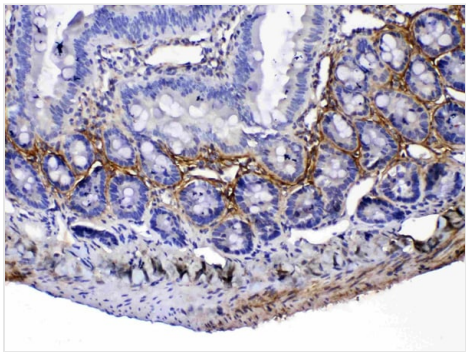
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg, NaN ₃
Sequence Length	810
Applicable Applications for anti-Postn antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Western Blot: 0.1-0.5 ug/ml Immunohistochemistry (Paraffin-embedded Section): 0.5-1 ug/ml Antigen Retrieval: By Heat Direct ELISA: 0.1-0.5 ug/ml Tested Species: In house-tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH 6.0 for 20 mins is required for the staining of formalin/ paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.
Immunogen	E Coli-derived rat Periostin recombinant protein (Position: K577-Q810). Periostin shares 80.2% and 86.3 % amino acid (aa) sequence identity with human and mouse Periostin, respectively.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



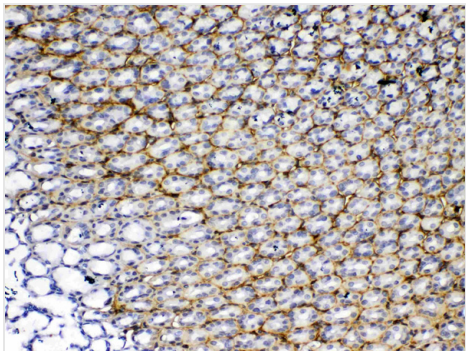
IHC (Immunohistochemistry)

Figure 7. IHC analysis of Periostin using anti-Periostin antibody (AAA19149). Periostin was detected in paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Periostin Antibody (AAA19149) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



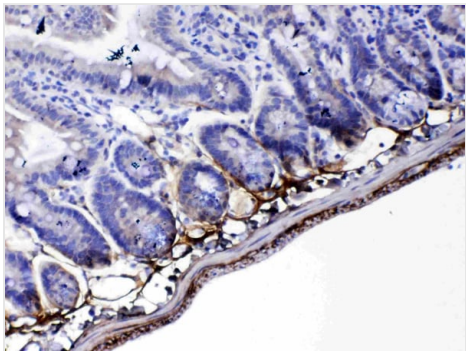
IHC (Immunohistochemistry)

Figure 6. IHC analysis of Periostin using anti-Periostin antibody (AAA19149). Periostin was detected in paraffin-embedded section of rat lung tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Periostin Antibody (AAA19149) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



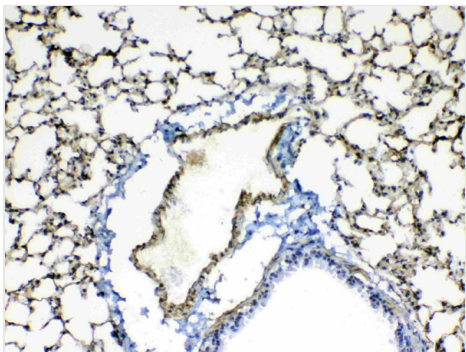
IHC (Immunohistochemistry)

Figure 5. IHC analysis of Periostin using anti-Periostin antibody (AAA19149). Periostin was detected in paraffin-embedded section of rat gaster tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Periostin Antibody (AAA19149) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



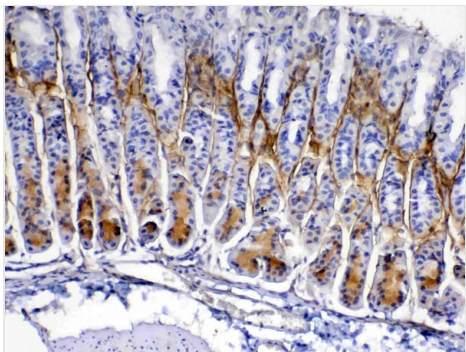
IHC (Immunohistochemistry)

Figure 4. IHC analysis of Periostin using anti-Periostin antibody (AAA19149). Periostin was detected in paraffin-embedded section of mouse small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Periostin Antibody (AAA19149) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of Periostin using anti-Periostin antibody (AAA19149). Periostin was detected in paraffin-embedded section of mouse lung tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Periostin Antibody (AAA19149) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of Periostin using anti-Periostin antibody (AAA19149). Periostin was detected in paraffin-embedded section of mouse gaster tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Periostin Antibody (AAA19149) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-Postn antibody	POSTN (Periostin), also known as PN or OSF2, is a protein that in humans is encoded by the POSTN gene. The International Radiation Hybrid Mapping Consortium mapped the POSTN gene to chromosome 13. It was found that purified recombinant PN supported adhesion of ovarian epithelial cells. And periostin was overexpressed by the majority of human primary breast cancers examined. Transfected tumor cell lines overexpressing periostin showed accelerated growth and angiogenesis as xenografts in immunocompromised animals. It was showed that extracellular periostin induced reentry of differentiated mammalian cardiomyocytes into the cell cycle.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157823757
NCBI GeneID	361945
NCBI Accession #	NP_001102020.1
NCBI GenBank Nucleotide #	NM_001108550.1
UniProt Accession #	D3ZAF5
Molecular Weight	90056 MW
NCBI Official Full Name	periostin
NCBI Official Synonym Full Names	periostin
NCBI Official Symbol	Postn
NCBI Official Synonym Symbols	Plf
NCBI Protein Information	periostin
UniProt Protein Name	Periostin
UniProt Gene Name	Postn

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/periostin-antibody-immunohistochemistry-western-blot-elisa/19149>