

ARG59656 anti-Periostin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Periostin
Tested Reactivity	Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Periostin
Species	Rat
Immunogen	Recombinant protein corresponding to K577-Q810 of Rat Periostin.
Conjugation	Un-conjugated
Alternate Names	OSF2; PN; Osteoblast-specific factor 2; Periostin; OSF-2; PDLPOSTN

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

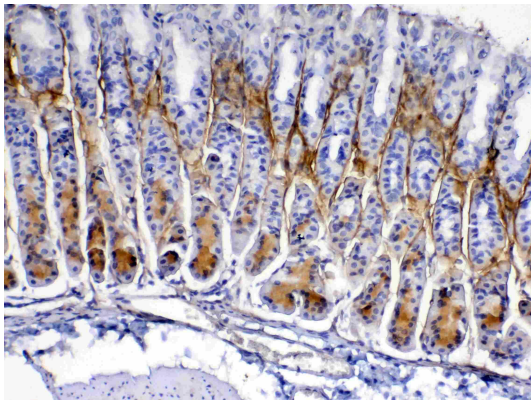
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	POSTN
Gene Full Name	periostin, osteoblast specific factor
Background	This gene encodes a secreted extracellular matrix protein that functions in tissue development and regeneration, including wound healing, and ventricular remodeling following myocardial infarction. The encoded protein binds to integrins to support adhesion and migration of epithelial cells. This protein plays a role in cancer stem cell maintenance and metastasis. Mice lacking this gene exhibit cardiac valve disease, and skeletal and dental defects. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]
Function	Enhances incorporation of BMP1 in the fibronectin matrix of connective tissues, and subsequent proteolytic activation of lysyl oxidase LOX (By similarity). Induces cell attachment and spreading and plays a role in cell adhesion. May play a role in extracellular matrix mineralization. [UniProt]
Calculated Mw	93 kDa
PTM	Gamma-carboxylation is controversial. Gamma-carboxyglutamated; gamma-carboxyglutamate residues are formed by vitamin K dependent carboxylation; this may be required for calcium binding (PubMed:18450759). According to a more recent report, does not contain vitamin K-dependent gamma-carboxyglutamate residues (PubMed:26273833). [UniProt]
Cellular Localization	Golgi apparatus. Secreted. Secreted, extracellular space, extracellular matrix. Note=Colocalizes with BMP1 in the Golgi. [UniProt]

Images



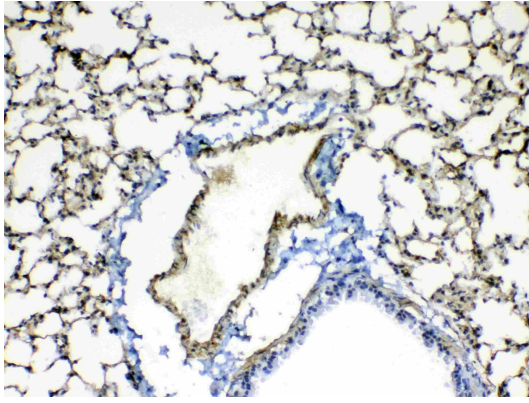
ARG59656 anti-Periostin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse gaster tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59656 anti-Periostin antibody at 1 µg/ml, overnight at 4°C.



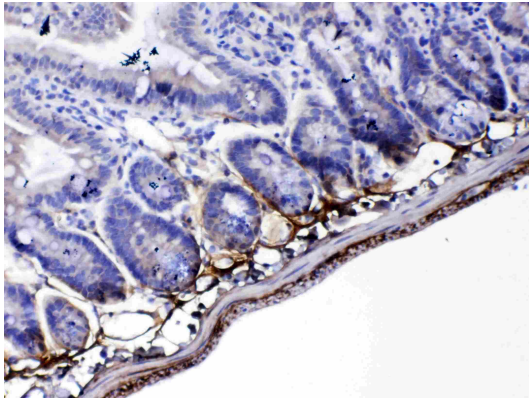
ARG59656 anti-Periostin antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat gaster, Rat lung, Rat NRK whole cell lysate, Mouse gaster, Mouse intestine and Mouse lung lysates stained with ARG59656 anti-Periostin antibody at 0.5 µg/ml, overnight at 4°C.



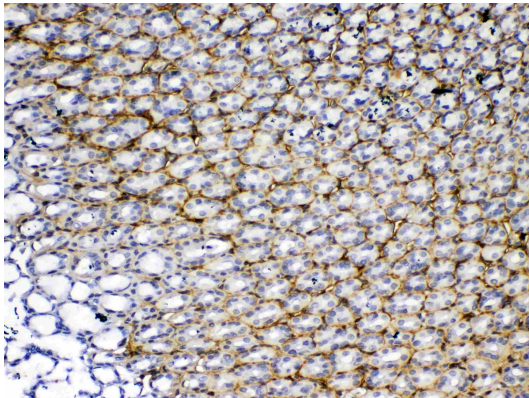
ARG59656 anti-Periostin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse lung tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59656 anti-Periostin antibody at 1 µg/ml, overnight at 4°C.



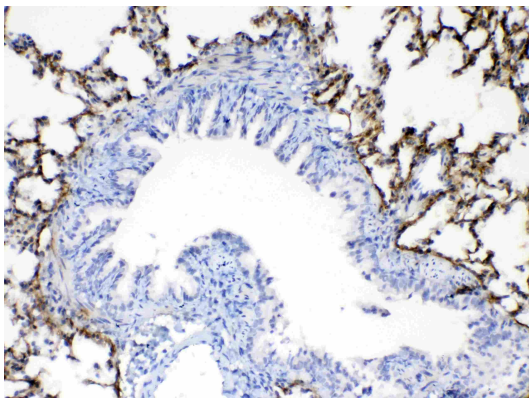
ARG59656 anti-Periostin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse small intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59656 anti-Periostin antibody at 1 µg/ml, overnight at 4°C.



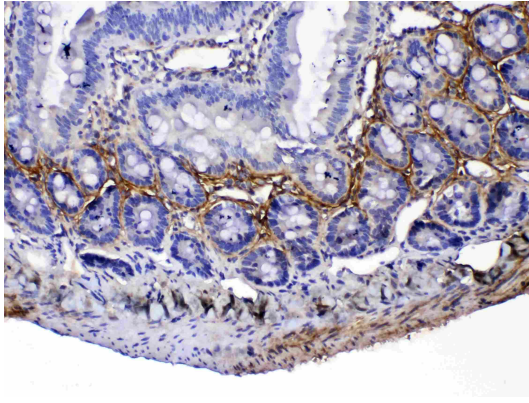
ARG59656 anti-Periostin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat gaster tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59656 anti-Periostin antibody at 1 µg/ml, overnight at 4°C.



ARG59656 anti-Periostin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat lung tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59656 anti-Periostin antibody at 1 µg/ml, overnight at 4°C.



ARG59656 anti-Periostin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat small intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59656 anti-Periostin antibody at 1 µg/ml, overnight at 4°C.