ARG59707
anti-Periostin antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Periostin
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Periostin
Species	Human
Immunogen	Synthetic peptide derived from Human Periostin.
Conjugation	Un-conjugated
Alternate Names	OSF2; PN; Osteoblast-specific factor 2; Periostin; OSF-2; PDLPOSTN

Application Instructions

Application table

Application	Dilution
FACS	1:50
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 85 kDa

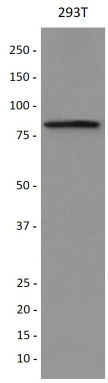
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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



ARG59707 anti-Periostin antibody WB image

Western blot: 293T cell lysate stained with ARG59707 anti-Periostin antibody.