

Datasheet for ABIN1169103

anti-Periostin antibody (full length)



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Overview

Quantity:	100 µg
Target:	Periostin (POSTN)
Binding Specificity:	full length
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Full-length human periostin.
Clone:	Stiny-1
Isotype:	IgG1
Specificity:	Recognizes human and mouse periostin.
Cross-Reactivity:	Human, Mouse (Murine)
Purification:	Purified from concentrated hybridoma tissue culture supernatant.
Purity:	>95 % (SDS-PAGE)

Target Details

Target:	Periostin (POSTN)
Alternative Name:	Periostin (POSTN Products)

Target Details

Background:	Periostin is a 90- kDa matricellular protein that consists of a typical signal sequence, followed by a cysteine-rich region, an EMI domain (protein-protein interactions), four tandem fasciclin-like domains that are responsible for integrin binding, and a C-terminal region. Periostin was originally isolated as an osteoblast-specific factor that functions as a cell adhesion molecule for pre-osteoblasts and in osteoblast recruitment, attachment and spreading. Periostin is also involved in many fundamental biological processes such as cell proliferation, cell invasion and angiogenesis. Periostin expression is increased by both transforming growth factor beta1 (TGF-beta1) and bone morphogenetic protein 2 (BMP-2). Changes in periostin expression are commonly detected in various cancers and pre-cancerous conditions, and periostin may be involved in regulating cancer cell activities that contribute to tumorigenesis, cancer progression and metastasis. Periostin has shown to be involved in many aspects of allergic inflammation, such as eosinophil recruitment, airway remodeling, development of a Th2 phenotype and increased expression of inflammatory mediators. It is evaluated as a biomarker for bronchial asthma and airway inflammation.
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UniProt:	Q15063
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Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

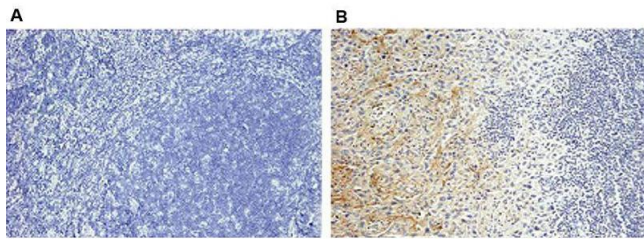
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS containing 10 % glycerol and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months

Publications

Product cited in: Sobolik-Delmaire, Reddy, Pashaj, Roberts, Wahl: "Plakophilin-1 localizes to the nucleus and interacts with single-stranded DNA." in: **The Journal of investigative dermatology**, Vol. 130, Issue 11, pp. 2638-46, (2010) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Staining of endogenous human Periostin in human breast cancer tissues (paraffin sections) by using Periostin, mAb (Stiny-1) .

Method: Normal Breast (A) or Breast Cancer (B) tissues were stained with Periostin, mAb (Stiny-1) (1:200) by standard immunohistochemistry.