

### **Anti-Periostin Monoclonal Antibody**

**Catalog # ABO14383** 

# **Specification**

# **Anti-Periostin Monoclonal Antibody - Product Information**

Application WB, FC
Primary Accession Q15063
Host Rabbit
Isotype Reactivity Human
Clonality Monoclonal
Format Liquid

**Description** 

Anti-Periostin Monoclonal Antibody . Tested in WB, Flow Cytometry applications. This antibody reacts with Human.

## **Anti-Periostin Monoclonal Antibody - Additional Information**

Gene ID 10631

**Other Names** 

Periostin, PN, Osteoblast-specific factor 2, OSF-2, POSTN, OSF2

**Application Details** 

WB 1:500-1:2000<br>FC 1:50

**Contents** 

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen** 

A synthesized peptide derived from human Periostin.

**Purification** 

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

## **Anti-Periostin Monoclonal Antibody - Protein Information**

Name POSTN

Synonyms OSF2

**Function** 



Induces cell attachment and spreading and plays a role in cell adhesion (PubMed:<a href="http://www.uniprot.org/citations/12235007" target="\_blank">12235007</a>). Enhances incorporation of BMP1 in the fibronectin matrix of connective tissues, and subsequent proteolytic activation of lysyl oxidase LOX (By similarity).

#### **Cellular Location**

Golgi apparatus {ECO:0000250|UniProtKB:Q62009}. Secreted Secreted, extracellular space, extracellular matrix Note=Colocalizes with BMP1 in the Golgi {ECO:0000250|UniProtKB:Q62009}

#### **Tissue Location**

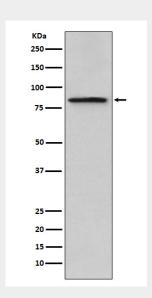
Widely expressed with highest levels in aorta, stomach, lower gastrointestinal tract, placenta, uterus, thyroid tissue and breast. Expressed in the kidney (PubMed:21763681). Expressed in the lung (PubMed:22079858). Up-regulated in epithelial ovarian tumors. Not expressed in normal ovaries. Also highly expressed at the tumor periphery of lung carcinoma tissue but not within the tumor Overexpressed in breast cancers.

### **Anti-Periostin Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

#### **Anti-Periostin Monoclonal Antibody - Images**



Western blot analysis of Periostin expression in 293T cell lysate.