

Periostin Recombinant monoclonal antibody

Catalog Number: 87652-5-RR

Basic Information

Catalog Number:

87652-5-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG4564

GenBank Accession Number:

NM_006475.3

GeneID (NCBI):

10631

UNIPROT ID:

Q15063-1

Full Name:

periostin, osteoblast specific factor

Calculated MW:

93 kDa

Observed MW:

75-100 kDa

Purification Method:

Protein A purification

CloneNo.:

252916B3

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : SK-N-SH cells, BT-549 cells, human skeletal muscle tissue

Background Information

Periostin (POSTN, PN), originally named as osteoblast-specific factor 2 (OSF-2), is a 90-kDa secreted protein which is now classified as a matricellular protein. It is present in a wide variety of normal adult tissues and fetal tissues, and has a role in bone, tooth and heart development and function. Studies show that periostin is overexpressed in a broad range of human cancer types, including lung, ovary, breast and colon cancers. Recent evidence reveals that periostin is expressed by fibroblasts in the normal tissue and in the stroma of the primary tumour, and it is required to allow cancer stem cell maintenance. The isoforms of periostin are between 83 and 93 kDa in mass and differ in their C-terminal sequences, characterized by individual presence or absence of cassette exons 17-21 (UniProtKB/Swiss-Prot, PMID: 21997759).

Storage

Storage:

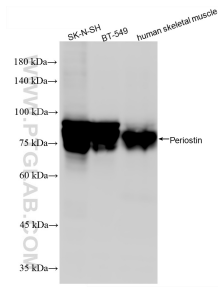
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87652-5-RR (Perostin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.