

Periostin Recombinant monoclonal antibody

Catalog Number: 87652-5-RR

Basic Information

Catalog Number: 87652-5-RR	GenBank Accession Number: NM_006475.3	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10631	CloneNo.: 252916B3
Source: Rabbit	UNIPROT ID: Q15063-1	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: periostin, osteoblast specific factor	
Immunogen Catalog Number: EG4564	Calculated MW: 93 kDa	
	Observed MW: 75-100 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : SK-N-SH cells, BT-549 cells, human skeletal muscle tissue
Species Specificity: human	

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

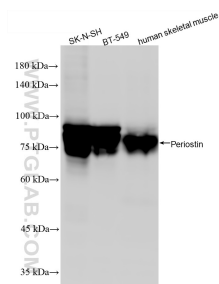
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.