

For Research Use Only

SPARC Polyclonal antibody

Catalog Number: 33940-1-AP



Basic Information

Catalog Number: 33940-1-AP	GenBank Accession Number: NM_003118.4	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 360 ug/ml by Nanodrop;	GeneID (NCBI): 6678	Recommended Dilutions: WB: 1:1000-1:4000
Source: Rabbit	UNIPROT ID: P09486	
Isotype: IgG	Full Name: secreted protein, acidic, cysteine-rich (osteonectin)	
Immunogen Catalog Number: EG1169	Calculated MW: 35kDa	
	Observed MW: 35-43 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A375 cells, SK-MEL-30 cells
Species Specificity: human	

Background Information

SPARC, also known as ON (Osteonectin) or BM-40 (Basement-membrane protein 40), is an extracellular glycoprotein with the calculated molecular mass of 35 kDa and the apparent molecular mass of 40-43 kDa and 50 kDa (PMID: 7495300, 12365801). SPARC belongs to a group of matricellular proteins defined as secreted components that do not contribute directly to the formation of structural elements but serve to modulate cell-matrix interactions and cellular functions (PMID: 7542656; 12231357). SPARC is expressed at high levels in bone tissue, is distributed widely in many other tissues and cell types, and is associated generally with tissues undergoing morphogenesis, remodeling and wound repair (PMID: 10567433). It elicits changes in cell shape, inhibits cell-cycle progression, and influences the synthesis of extracellular matrix (PMID: 12721366). Altered expression of SPARC has been reported in a variety of cancers, which include breast, ovarian, colorectal, and pancreatic cancer as well as melanoma and glioblastomas (PMID: 18849185).

Storage

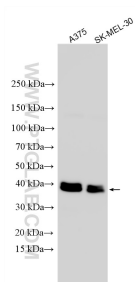
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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 33940-1-AP (SPARC antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.