

For Research Use Only

SPARC Polyclonal antibody, PBS Only

Catalog Number: 15274-1-PBS

Featured Product



Basic Information

Catalog Number:

15274-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7390

GenBank Accession Number:

BC004974

GeneID (NCBI):

6678

UNIPROT ID:

P09486

Full Name:

secreted protein, acidic, cysteine-rich (osteonectin)

Calculated MW:

35 kDa

Observed MW:

35-43 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat, pig

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 -80°C.

Storage Buffer:

PBS only, pH7.3

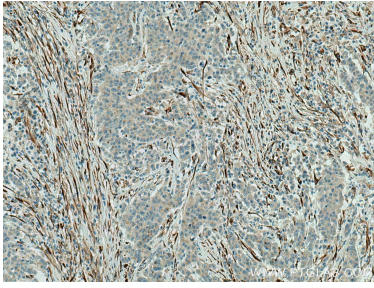
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

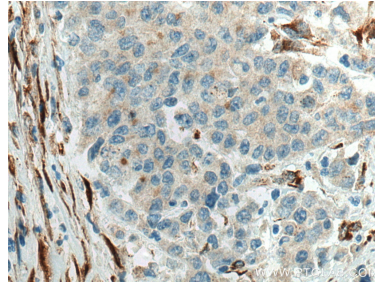
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

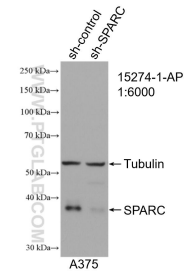
Selected Validation Data



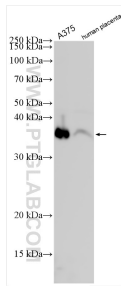
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 15274-1-AP (SPARC antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15274-1-PBS in a different storage buffer formulation.



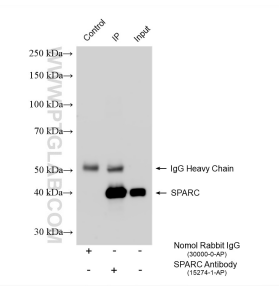
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 15274-1-AP (SPARC antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15274-1-PBS in a different storage buffer formulation.



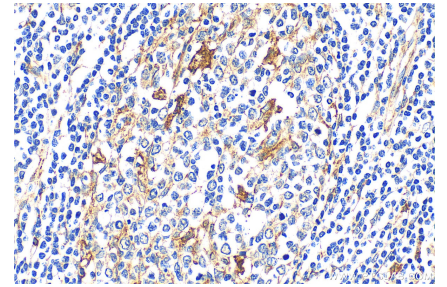
WB result of SPARC antibody (15274-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SPARC transfected A375 cells. This data was developed using the same antibody clone with 15274-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 15274-1-AP (SPARC antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15274-1-PBS in a different storage buffer formulation.



IP result of anti-SPARC (IP:15274-1-AP, 4ug; Detection:15274-1-AP 1:3000) with A375 cells lysate 1520 ug. This data was developed using the same antibody clone with 15274-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 15274-1-AP (SPARC antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15274-1-PBS in a different storage buffer formulation.