

Allgemeine Informationen

Katalog-Nr.: 15274-1-AP	GenBank-Zugangsnummer: BC004974	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 400 µg/ml von Nanodrop;	GeneID (NCBI): 6678	Empfohlene Verdünnungen: WB 1:500-1:1000 IHC 1:1000-1:4000
Wirt: Kaninchen	Vollständiger Name: secreted protein, acidic, cysteine-rich (osteonectin)	
Isotyp: IgG	Berechnete Masse: 35 kDa	
Immunogen Katalognummer: AG7390	Beobachtete Masse: 43 kDa	

Anwendungen

Geprüfte Anwendungen:

IHC, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, WB

Getestete Reaktivität:

Hausschwein, Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte, Sikahirsch

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : ROS1728-Zellen, A375-Zellen, humanes Hodengewebe, humanes Plazenta-Gewebe

IHC : humanes Magenkrebsgewebe,

Hintergrundinformationen

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).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Qingchun Cai	29048685	Oncol Rep	WB
Qifeng Lin	26359947	Proteomics	WB
Da-Yuan Chen	33140044	bioRxiv	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

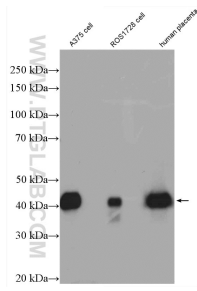
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

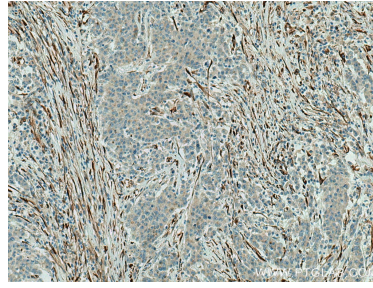
E: proteintech@ptglab.com
 W: ptglab.com

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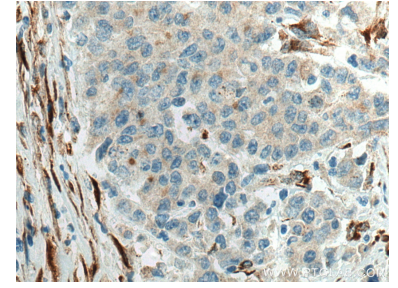
Ausgewählte Validierungsdaten



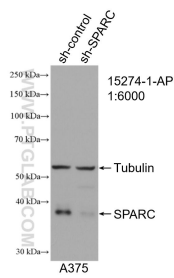
A375 cells, ROS1728 cells, and human placenta tissue were subjected to SDS PAGE followed by western blot with 15274-1-AP (SPARC antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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).



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).



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.