

For Research Use Only

SPARCL1 Polyclonal antibody

Catalog Number: 13517-1-AP

10 Publications



Basic Information

Catalog Number:

13517-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 467 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4448

GenBank Accession Number:

BC033721

GeneID (NCBI):

8404

UNIPROT ID:

Q14515

Full Name:

SPARC-like 1 (hevin)

Calculated MW:

664 aa, 75 kDa

Observed MW:

130-140 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : human heart tissue,

IP : Raji cells,

IHC : human tonsillitis tissue, human gliomas tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

SPARC-like protein 1 (SPARCL1), also known as SC1 or Hevin, is an extracellular matrix glycoprotein that belongs to the SPARC family. SPARCL1 is widely expressed in normal and cancer tissues, and has been shown to regulate cellular adhesion and migration. SPARCL1 has been implicated in tumor initiation, formation, and progression of various cancers, including pancreatic, prostate, bladder, ovarian, breast and non-small cell lung cancers.

Notable Publications

Author	Pubmed ID	Journal	Application
A R Jayakumar	27735996	J Neurochem	
Lite Ge	31783092	J Chem Neuroanat	WB
Masao Nakajima	29403557	Oncol Lett	IHC

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

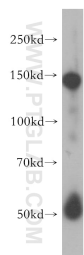
For technical support and original validation data for this product please contact:

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

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

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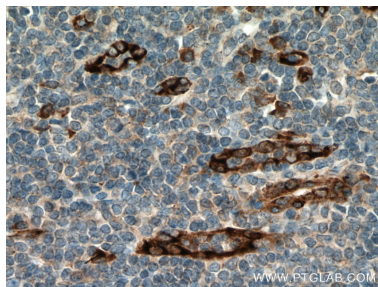
Selected Validation Data



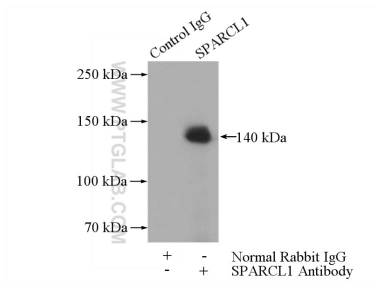
human heart tissue were subjected to SDS PAGE followed by western blot with 13517-1-AP (SPARCL1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 13517-1-AP (SPARCL1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 13517-1-AP (SPARCL1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-SPARCL1 (IP:13517-1-AP, 4ug; Detection:13517-1-AP 1:300) with Raji cells lysate 1440ug.