

For Research Use Only

SSSCA1 Polyclonal antibody

Catalog Number: 12273-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

12273-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2916

GenBank Accession Number:

BC014791

GeneID (NCBI):

10534

UNIPROT ID:

O60232

Full Name:

Sjogren syndrome/scleroderma autoantigen 1

Calculated MW:

199 aa, 21 kDa

Observed MW:

27 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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, IHC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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

Positive Controls:

WB : HeLa cells, A549 cells, NIH/3T3 cells

IP : HeLa cells,

IHC : mouse testis tissue,

Background Information

SSSCA1, also named as Autoantigen p27, is centromere-associated protein. It may induce anti-centromere antibodies. SSSCA1 plays a role in mitosis. It's involved in Sjogren syndrome/scleroderma. The calculated MW of SSSCA1 is 21.5 kDa (native form), with modification the MW is about 23- 27 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Han-Chen Wang	39722328	J Ethnopharmacol	WB,IHC
Yuichi Yagita	37480851	Cell	WB

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

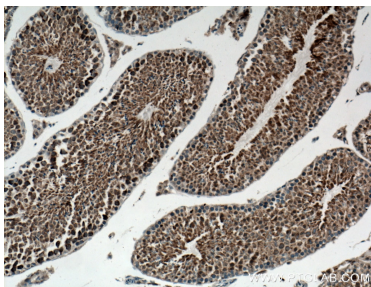
For technical support and original validation data for this product please contact:

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

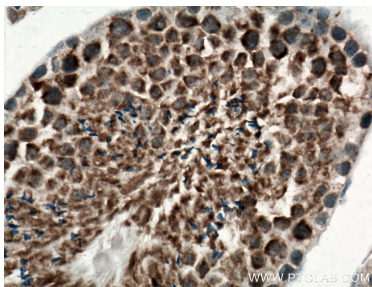
E: proteintech@ptglab.com
W: ptglab.com

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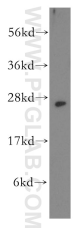
Selected Validation Data



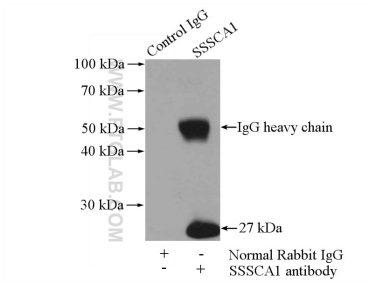
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 12273-1-AP (SSSCA1 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



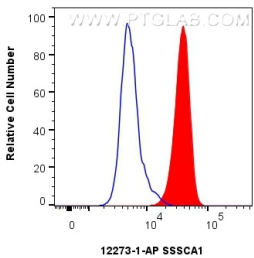
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 12273-1-AP (SSSCA1 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HeLa cells were subjected to SDS PAGE followed by western blot with 12273-1-AP (SSSCA1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-SSSCA1 (IP:12273-1-AP, 4ug; Detection:12273-1-AP 1:1000) with HeLa cells lysate 2000ug.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug SSSCA1 Polyclonal antibody (12273-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).