

For Research Use Only

SIM2 Polyclonal antibody, PBS Only

Catalog Number: 21069-1-PBS



Basic Information

Catalog Number:

21069-1-PBS

Size:

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

Source:

Rabbit

IsoType:

IgG

Immunogen Catalog Number:

AG15204

GenBank Accession Number:

BC110444

GeneID (NCBI):

6493

UNIPROT ID:

Q14190

Full Name:

single-minded homolog 2 (Drosophila)

Calculated MW:

667 aa, 73 kDa

Observed MW:

60-64 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse

Background Information

SIM2, also named as single-minded homolog 2, is a 667 amino acid protein, which contains 1 bHLH (basic helix-loop-helix) domain and one PAS-associated C-terminal domain. SIM2 localizes in the nucleus and has two isoforms. Isoform SIM2 is a 73 kDa protein and Isoform SIM2S is 63 kDa protein. SIM2 as a transcription factor may be a master gene of CNS development in cooperation with Arnt. It may have pleiotropic effects in the tissues expressed during development.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

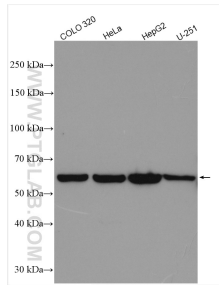
For technical support and original validation data for this product please contact:

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

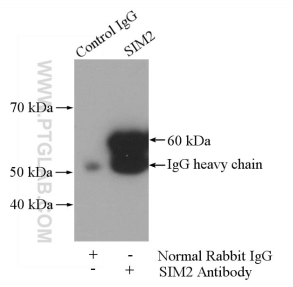
E: proteintech@ptglab.com
W: ptglab.com

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

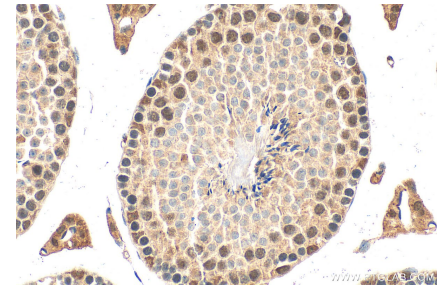
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21069-1-AP (SIM2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 21069-1-PBS in a different storage buffer formulation.



IP result of anti-SIM2 (IP:21069-1-AP, 4 μ g; Detection:21069-1-AP 1:800) with mouse skeletal muscle tissue lysate 2200 μ g. This data was developed using the same antibody clone with 21069-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 21069-1-AP (SIM2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21069-1-PBS in a different storage buffer formulation.