

For Research Use Only

PROX1 Polyclonal antibody

Catalog Number: 11067-2-AP

Featured Product

19 Publications



Basic Information

Catalog Number:

11067-2-AP

Size:

150UL, Concentration: 140 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1543

GenBank Accession Number:

BC024201

GeneID (NCBI):

5629

Full Name:

prospero homeobox 1

Calculated MW:

737 aa, 83 kDa

Observed MW:

90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF 1:20-1:200

Applications

Tested Applications:

FC, IF, WB, ELISA

Cited Applications:

CHIP, IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : HepG2 cells, human liver tissue, MCF-7 cells

IF : HepG2 cells,

Background Information

PROX1, Prospero homeobox protein 1, belongs to the Prospero homeobox family and contain a Prospero-type homeobox DNA-binding domain. PROX1 plays a fundamental role in early development of CNS and regulates the expression of gene and development of postmitotic, undifferentiated neurons. Also, PROX1 is a required regulator of the development of the Lymphatic system. This antibody is raised against part of C-terminal chain of human PROX1. The calculated molecular weight of PROX1 is 83 kDa, but with post-translational modifications, PROX1 is about 90 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Yoshiya Asano	28875528	J Tissue Eng Regen Med	
Juliana Falero-Perez	30372497	PLoS One	
R Sathish Srinivasan	25274728	Genes Dev	WB, IF, CHIP

Storage

Storage:

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

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

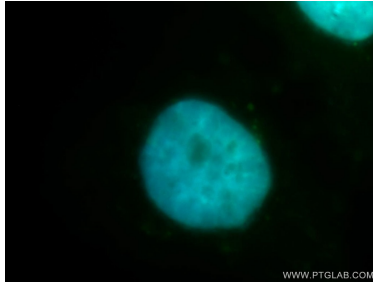
For technical support and original validation data for this product please contact:

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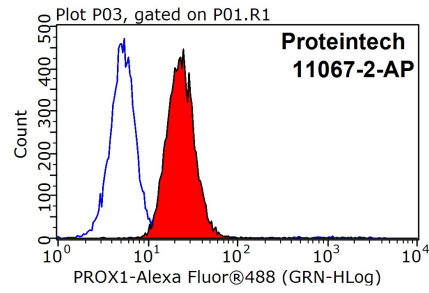
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W: ptglab.com

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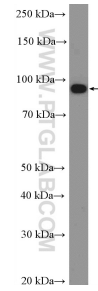
Selected Validation Data



Immunofluorescent analysis of HepG2 cells, using PROX1 antibody 11067-2-AP at 1:100 dilution and FITC-labeled donkey anti-rabbit IgG (green). Blue pseudocolor = DAPI (fluorescent DNA dye).



1×10^6 HepG2 cells were stained with 0.2 μ g PROX1 antibody (11067-2-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



HepG2 cells were subjected to SDS PAGE followed by western blot with 11067-2-AP (PROX1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.