

PROX1

Polyclonal ANTIBODY

Catalog Number: 11067-2-AP

Featured Product

12 Publications

Basic Information

Catalog Number:
11067-2-AP

Size:
21 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG1543

GenBank Accession Number:
BC024201

GeneID (NCBI):
5629

Full Name:
prospero homeobox 1

Calculated MW:
737aa, 83 kDa

Observed MW:
90 kDa

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

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

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 regulated the expression of gene and development of postmitotic undifferentiated young neuron. Also PROX1 is a specific and required regulator of the development of the lymphatic system. This is a rabbit polyclonal antibody raised against part of C-terminal chain of human PROX1. The calculated molecular weight of PROX1 is 83 kDa, but modified 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:

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

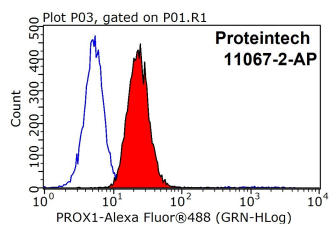
E: proteintech@ptglab.com
W: ptglab.com

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

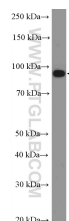
Selected Validation Data



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).



1X10⁶ 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