

For Research Use Only

PROX1 Polyclonal antibody

Catalog Number: 11067-2-AP

Featured Product

51 Publications



Basic Information

Catalog Number:

11067-2-AP

Size:

650 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1543

GenBank Accession Number:

BC024201

GeneID (NCBI):

5629

UNIPROT ID:

Q92786

Full Name:

prospero homeobox 1

Calculated MW:

737 aa, 83 kDa

Observed MW:

90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

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

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IF, IP, ChIP

Species Specificity:

human

Cited Species:

human, mouse, rat, pig, goat

Positive Controls:

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

IP : HepG2 cells,

IF/ICC : HuH-7 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. PROX1 can be detected double bands with sumo modifications (PMID: 18948102).

Notable Publications

Author	Pubmed ID	Journal	Application
LinXi Cheng	34489520	Commun Biol	IF
Yoshiya Asano	28875528	J Tissue Eng Regen Med	
Juliana Falero-Perez	30372497	PLoS One	

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

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

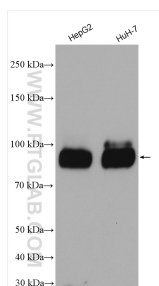
T: 4006900926

E: Proteintech-CN@ptglab.com

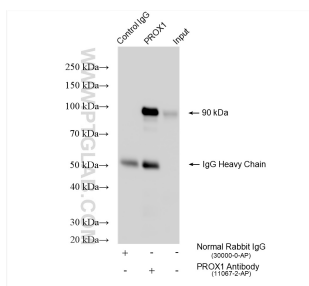
W: ptgcn.com

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

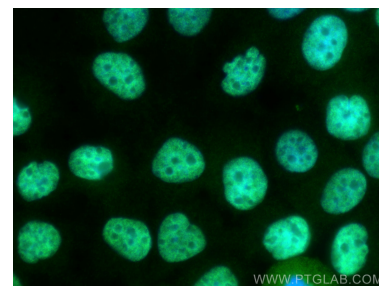
Selected Validation Data



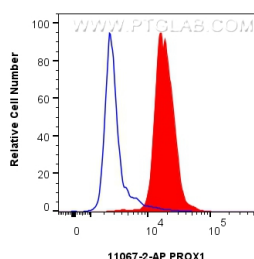
Various lysates were subjected to SDS PAGE followed by western blot with 11067-2-AP (PROX1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-PROX1 (IP:11067-2-AP, 4ug; Detection:11067-2-AP 1:6000) with HepG2 cells lysate 1470 ug.



Immunofluorescent analysis of (4% PFA) fixed HuH-7 cells using PROX1 antibody (11067-2-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug PROX1 Polyclonal antibody (11067-2-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).