

For Research Use Only

PROX1 Recombinant antibody

Catalog Number: 81778-1-RR



Basic Information

Catalog Number:

81778-1-RR

Size:

500 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:

Protein A purification

CloneNo.:

2H12

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:650-1:2600

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HepG2 cells, HuH-7 cells, SH-SY5Y 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.

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:

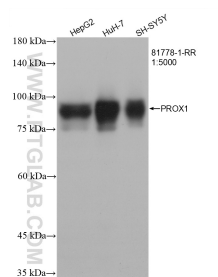
T: 4006900926

E: Proteintech-CN@ptglab.com

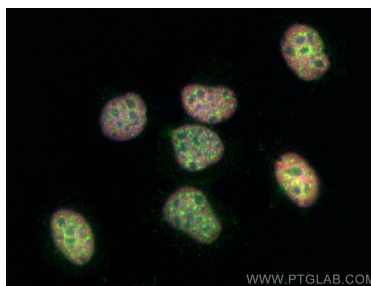
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81778-1-RR (PROX1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HuH-7 cells using PROX1 antibody (81778-1-RR, Clone: 2H12) at dilution of 1:1300 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), PROX1 antibody (67438-1-Ig, Clone: 1D4B1, red).