

For Research Use Only

PROX1 Recombinant antibody

Catalog Number: 81778-1-RR



Basic Information

| | | |
|---|--|---|
| Catalog Number: 81778-1-RR | GenBank Accession Number: BC024201 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 500 ug/ml by Nanodrop; | GeneID (NCBI): 5629 | CloneNo.: 2H12 |
| Source: Rabbit | UNIPROT ID: Q92786 | Recommended Dilutions: WB 1:2000-1:10000 IF/ICC 1:650-1:2600 |
| Isotype: IgG | Full Name: prospero homeobox 1 | |
| Immunogen Catalog Number: AG1543 | Calculated MW: 737 aa, 83 kDa | |
| | Observed MW: 90 kDa | |

Applications

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|--|---|
| Tested Applications: WB, IF/ICC, ELISA | Positive Controls: |
| Species Specificity: human | 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

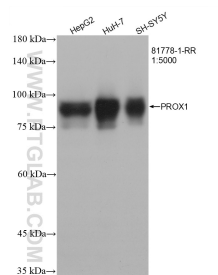
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

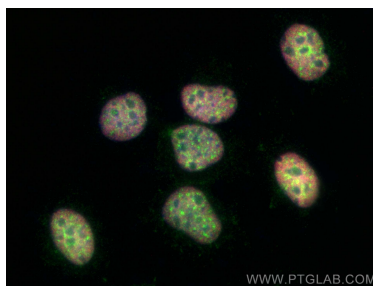
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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).