CoraLite® Plus 488-conjugated PROX1 Monoclonal antibody

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Antibodies | ELISA kits | Proteins

Catalog Number:CL488-67438

Basic Information

Catalog Number:
CL488-67438

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG9681

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.:
1D4B1

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Species Specificity:
human, mouse, rat

Positive Controls:

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.
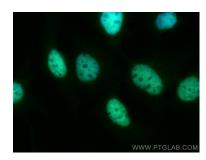
Storage

Storage:
Store at -20℃. Avoid exposure to light. Stable for one year after shipment.
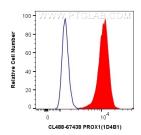**Storage Buffer:**
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data

Immunofluorescent analysis of (4% PFA) fixed HuH-7 cells using CoraLite® Plus 488 PROX1 antibody (CL488-67438, Clone: 1D4B1) at dilution of 1:200.

1X10^6 HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human PROX1 (CL488-67438, Clone:1D4B1) (red), or 0.4 ug CoraLite® Plus 488 Mouse IgG2b Isotype Control (MPC-11) (CL488-65128, Clone: MPC-11) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).