

PROX1 Polyclonal Antibody

Catalog number: 11067-2-AP

Size: 21 µg/150 µl

Source: Rabbit

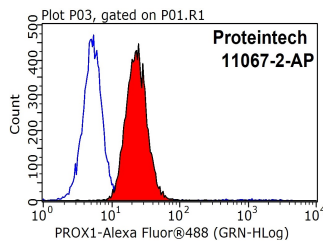
Isotype: IgG

Synonyms:

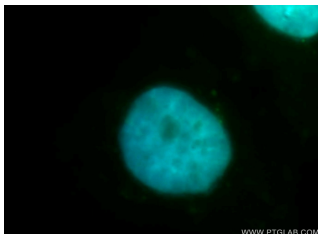
PROX1; prospero homeobox 1,

Prospero homeobox protein 1,

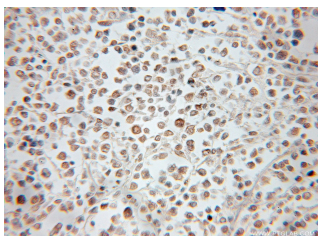
PROX 1, PROX1



1X10⁶ HepG2 cells were stained with 0.2µg 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.



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).



Immunohistochemical of paraffin-embedded human lymphoma using 11067-2-AP(PROX1 antibody) at dilution of 1:50 (under 10x lens)

Background

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.

Applications

Tested applications:	ELISA, IHC, IF, FC, WB
Cited applications:	CHIP, IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated PROX1 MW:	737aa, 83 kDa
Observed PROX1 MW:	90 kDa
Positive WB detected in	Human liver tissue, HepG2 cells, MCF7 cells, mouse pancreas tissue
Positive IHC detected in	Human lymphoma tissue
Positive IF detected in	HepG2 cells
Positive FC detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200 FC: N/A

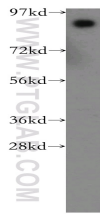
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1543
GenBank accession number:	BC024201
Gene ID (NCBI):	5629
Full name:	Prospero homeobox 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



human liver tissue were
subjected to SDS PAGE
followed by western blot with
11067-2-AP (PROX1 antibody)
at dilution of 1:500