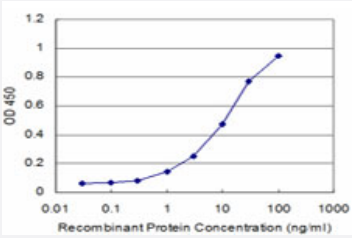
PROX1 monoclonal antibody (M02), clone 1E7

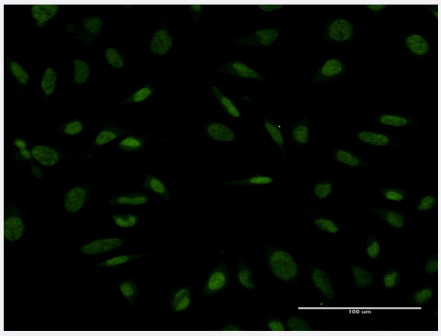
Catalog # H00005629-M02 Size 100 ug

Applications



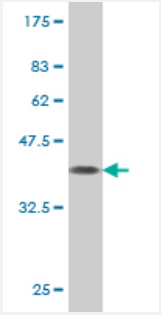
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PROX1 is approximately 1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PROX1 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PROX1.

Immunogen	PROX1 (NP_002754.2, 638 a.a. ~ 737 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	YARQAINDGVTSTEELSITRDCELYRALNMHYNKANDFEVPERFLEVAQITLREFFNAIIAGKDVDPSWKKAIYKVICKLDSEVPEIFKSPNCLQELLHE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (40)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged PROX1 is approximately 1ng/ml as a capture antibody.

  Protocol Download

- ELISA

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to PROX1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — PROX1

Entrez GeneID	5629
GeneBank Accession#	NM_002763

Protein Accession#	NP_002754.2
Gene Name	PROX1
Gene Alias	-
Gene Description	prospero homeobox 1
Omim ID	601546
Gene Ontology	Hyperlink
Other Designations	prospero-related homeobox 1

Publication Reference

- Tau reduction affects excitatory and inhibitory neurons differently, reduces excitation/inhibition ratios, and counteracts network hypersynchrony.

  Che-Wei Chang, Mark D Evans, Xinxing Yu, Gui-Qiu Yu, Lennart Mucke.

  Cell Reports 2021 Oct; 37(3):109855.

  Application: IF, Mouse, Mouse primary neuronal cultures

Disease

- Acquired Immunodeficiency Syndrome
- Birth Weight
- Diabetes Mellitus
- Disease Progression
- Genetic Predisposition to Disease
- HIV Infections
- Lymphedema