

Anti-PROX1 Rabbit Monoclonal Antibody

Catalog Number: M01985-1

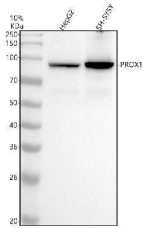
Overview

Product Name	Anti-PROX1 Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-PROX1 Rabbit Monoclonal Antibody catalog # M01985-1. Tested in IHC, WB application. This antibody reacts with Human.
Application	IHC, WB
Clonality	Monoclonal AOGA-16
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q92786

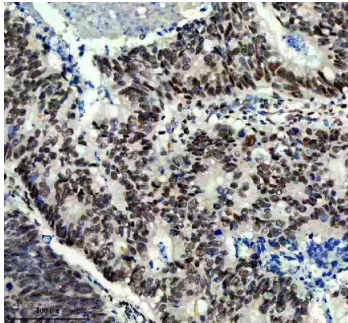
Technical Details

Immunogen	A synthesized peptide derived from human PROX1
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200

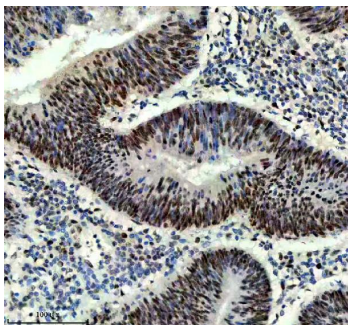
Anti-PROX1 Rabbit Monoclonal Antibody (M01985-1) Images



Western blot analysis of PROX1 using anti-PROX1 antibody (M01985-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates, Lane 2: human SH-SY5Y whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PROX1 antigen affinity purified monoclonal antibody (M01985-1) at 1:500 overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for PROX1 at approximately 90 kDa. The expected band size for PROX1 is at 83 kDa.

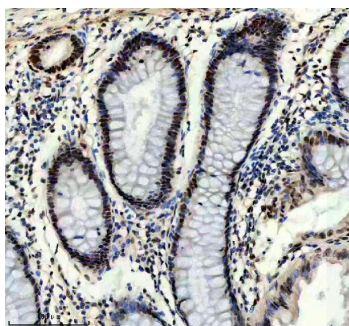


IHC analysis of PROX1 using anti-PROX1 antibody (M01985-1). PROX1 was detected in a paraffin-embedded section of human colon cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-PROX1 Antibody (M01985-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



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2 Publications Citing This Product

1. PubMed ID: 31960509, Meng FW,Liu FS,Liu WH,Li L,Jie LL.Formation of new lymphatic vessels in glioma: An immunohistochemical analysis.Neuropathology.2020 Jun;40(3):215-223.doi:10.1111/neup.12625.Epub 2020 Jan 20.PMID:31960509;PMCID:PMC 7317190.
2. PubMed ID: 27203545, Fucoidan inhibits lymphangiogenesis by downregulating the expression of VEGFR3 and PROX1 in human lymphatic endothelial cells

Visit bosterbio.com/anti-prox1-rabbit-monoclonal-antibody-m01985-1-boster.html to see all 2 publications.

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