

PROX1

Rabbit Anti-Human Prox1 Affinity Purified pAb

Catalog No. CPP502 Quantity: 50 µg

Alternate Names: Prospero homeobox, Prox1

Description: Prox-1 is a homeobox gene and acts as a master switch for lymphatic endothelial phenotype. Expression of Prox-1 in blood endothelial cells induces expression of other lymphatic marker genes. Together with Podoplanin, Prox-1 can be used to reliably distinguish lymphatic vessels from blood vessels. Prox1 is expressed in CNS, eye, pancreas, liver and heart, and it is one of the most specific and reliable markers for lymphatic endothelial cells. This polyclonal antibody is produced from sera of rabbits immunised with the recombinant highly conserved C-terminal part of the homeobox transcription factor Prox1.

Gene ID: 5629

Specificity: Human Prox-1

Host: Rabbit

Immunogen: Recombinant human C-terminal part of Prox1 (homeo domain and prospero domain).

Isotype: IgG

Formulation: Lyophilized from a solution of PBS, pH 7.4. No preservatives and carrier-free.

Purification: Antigen-affinity Purified

Reconstitution: Reconstituted in sterile water to a concentration of 0.5 mg/ml or higher.

Applications: This antibody will detect Prox-1 in the nucleus of lymphatic endothelial cells by immunostaining. For immunofluorescence, use 1:750 to 1:1000 dilution. For Western blot, use at 1-5 µg/ml.

Application Notes: Optimal dilutions should be determined by each laboratory for each application.

Storage & Stability: The lyophilized antibody is stable at 2-4°C for at least 1 month and for more than a year at -20°C. Reconstituted anti-Human Prox1 is stable at 2-4°C for >6 months or can be stored in working aliquots at -20°C to -80°C for at least 6 months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

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