

Anti-human Prox1

Description: Produced from sera of rabbits¹⁾ immunised with the recombinant highly conserved C-terminal part of the homeobox transcription factor Prox1. 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.

Host species:	Rabbit
Antigen:	Recombinant human C-terminal part of Prox1 (homeo domain and prospero domain)
Purification:	Protein A chromatography
Stabilizer:	none
Buffer:	lyophilized from PBS, pH 7.4 w/o preservative
Formulation:	lyophilized rabbit IgG

Reconstitution: The lyophilized IgG is stable at 4°C. for at least one month and for more than a year when kept at -20°C. When reconstituted in sterile water to a concentration of >0.5 mg/ml the antibody is stable for at least six weeks at 2-4°C in the presence of a preservative. Reconstituted antibody can also be aliquotted and stored at -20°C to -70°C for at least 6 months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Applications

Immunostaining: This antibody is a very valuable tool to detect and analyse lymphatic endothelial cells of different species. It was tested for fish, chicken, mouse, rat and human lymphatic endothelial cells by different staining techniques and has been used in several publications before. The antibody was reported to work in fixed tissues, even when embedded in paraffin (Mouta et al., Cancer Res. 2001) as well as in frozen sections of fixed mouse tissues (Padera et al., Science 2002). Use at 5-10 µg/ml for cell immunostaining and staining of unfixed, frozen tissue sections. **Optimal dilutions should be determined by each laboratory for each application.**

ELISA: The antibody can also be used for ELISA applications at 1-10 µg/ml IgG

Usage: Anti-human Prox1 is offered for research use. Not for drug use. **Not for human use.**

1) licenced from Stanislav Tomarev, NIH, Washington.

Catalogue number:	102-PA30S	Size:	100 µg
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Literature: [Belecky et al., Invest Ophthalmol Vis Sci 38, 1293 (1997); Glasgow, Tomarev, Mech. Dev. 76, 175 (1998); Rodriguez-Niedenfuhr et al., Anat Embryol 204, 399 (2001); Wilting et al., FASEB J 16, 1271 (2002); Krishnan et al., Cancer Res. 63, 713 (2003); Mouta et al., Cancer Res. 61, 8079, (2001) ; Padera et al., Science 296, 1883 (2002)]

**** please note : always centrifuge vials before opening ****