

## Product datasheet for **DP3516B**

### PROX1 (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF
Recommended Dilution:	<b>Immunofluorescence:</b> 1-5 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant highly conserved C-terminal part of the homeobox transcription factor Human Prox1 (homeo domain and prospero domain) (Cat.-No DA3565).
Specificity:	This antibody will detect Prox-1 in the nucleus of lymphatic endothelial cells.
Formulation:	5mM PBS, pH 7.2 Label: Biotin State: Lyophilized purified IgG fraction Stabilizer: 50X BSA Preservative: 0.02% Sodium Azide
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml
Purification:	Antigen Affinity Chromatography
Conjugation:	Biotin
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	prospero homeobox 1
Database Link:	<a href="#">Entrez Gene 19130 Mouse</a> <a href="#">Entrez Gene 305066 Rat</a> <a href="#">Entrez Gene 5629 Human Q92786</a>



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<b>Background:</b>	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.
<b>Synonyms:</b>	PROX1
<b>Protein Families:</b>	Embryonic stem cells, ES Cell Differentiation/IPS