antibodies .- online.com







anti-PROX1 antibody (AA 547-737)

Images



Overview

Quantity:	50 µg
Target:	PROX1
Binding Specificity:	AA 547-737
Reactivity:	Human, Horse, Avian
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PROX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant human PROX1 (aa547-737).
Specificity:	Recognizes human, chicken and horse PROX1.
Cross-Reactivity:	Bird (Avian), Horse (Equine), Human
Purification:	Antigen affinity purified.

Target Details

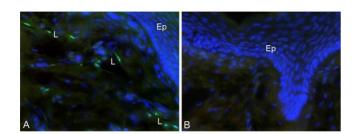
Target:	PROX1
Alternative Name:	PROX1 (PROX1 Products)
Background:	Expression of PROX1 in blood endothelial cells induces expression of other lymphatic marker
	genes. Together with podoplanin, PROX1 can be used to reliably distinguish lympathic vessels

Target Details

Expiry Date:

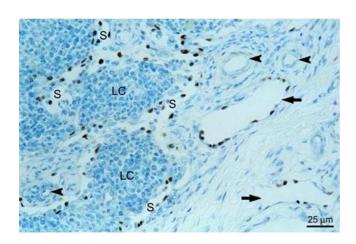
6 months

- Target Details	
	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.
UniProt:	Q92786
Pathways:	Stem Cell Maintenance, Regulation of Muscle Cell Differentiation
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge vial prior to opening. Reconstitute with sterile water to a concentration of 0.1-1.0 mg/mL.
Concentration:	Lot specific
Buffer:	Lyophilized, 5 mM PBS, pH 7.2.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 6 months after receipt when stored at -20°C.



Immunohistochemistry

Image 1. Immunofluorescence staining (green) of cryosections of human foreskin (fixed 15 min in 4% PFA) using anti-PROX1, pAb (dilution 1:200) and counter staining of nuclei with Dapi. A) Specific green PROX1 signal in the nuclei of lymphatics (L). Ep=epidermis.



Immunohistochemistry

Image 2. Immunohistochemical detection of endogenous PROX1 (paraffin sections) in equine mandibular lymph nodeusing anti-PROX1, pAb (dilution 1:200), counterstained with toluidine blue. Sinusoids (S) as well as lymphatic vessels in the hilum of the lymph node (arrows) are lined by positively stained lymphatic endothelial cells. Blood vascular endothelium remains unstained (arrow heads). LC=Cluster of lymphocytes.