

# Anti-Prox1 Antibody

## Overview

Catalog #	11-002P
Unit Size	100 ug
Applications	W, IHC(F/P) IF
Host	rabbit

## Description:

Prox1 is a homeobox gene and acts as a master switch for lymphatic endothelial phenotype. Expression of Prox1 in blood endothelial cells induces expression of other lymphatic marker genes. Together with podoplanin, Prox1 can be used to reliably distinguish lymphatic vessels from blood vessels. This rabbit polyclonal antibody against Prox1 works well for immunohistochemistry with **formalin-fixed paraffin embedded sections**. Therefore, it will be a useful tool to study lymphatic vessel density in and around human tumors.

**Host Species:** Rabbit

**Buffer:** PBS

**Formulation:** Protein A purified IgG

**Stability:** The antibody is stable at -20°C for one year

**Cross-Reactivity:** The antibody works equally well against human, mouse and rat Prox1. Other species not tested.

**Specificity:** The antibody will detect Prox1 in the nucleus of lymphatic endothelial cells by immunostaining or immunohistochemistry. It works well with paraffin sections. A boiling step is recommended when staining paraffin embedded sections. The antibody also works in Western blotting.

**Immunostaining/Immunohistochemistry:** Use 5-10ug/ml.

**Western blotting:** Use 1-5ug/ml

**Usage:** This antibody is offered for research use only. **Not for human use!**