

## Podoplanin Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50105

Clone# BP6110

**Predicted Molecular Wt:** 17kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** Q86YL7

### Background:

Podoplanin was first identified as a transmembrane glycoprotein in the podocytes of rat kidney. Podoplanin acts as receptor for selectins (which mediate inflammatory cell adhesion) and is involved in cell maturation and migration by filopodia formation (via the downregulation of the activities of small Rho family GTPases).

Podoplanin is found in lymphatic endothelium (but not blood vessel endothelium), fibroblasts, osteocytes, follicular dendritic cells, smooth and striated muscle cells, myoepithelial cells, Cajal cells, basal cells in squamous epithelium (tonsil), gastric crypt cells, prostatic basal cells, immature Sertoli cells and foetal gonocytes (but not the corresponding cells of the adult testis), renal glomerular podocytes, mesothelium (particularly when reactive), subsets of lymphocytes, Schwann cells, glial and ependymal cells.

Podoplanin is a very useful marker in the differentiation between malignant mesothelioma and adenocarcinoma, and the identification of seminoma/dysgerminoma/IGCN.

### Subcellular location:

Membrane

### Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

Synthetic peptide corresponding to residues within aa1-100 of Podoplanin was used as an immunogen.

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage conditions:

-20°C

### Storage instructions:

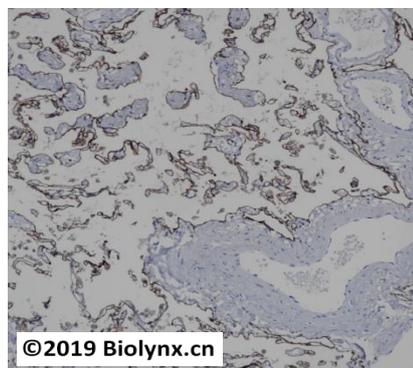
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

### Recommended Dilutions:

IHC-P: 1:100-1:200

### Background References:

1. Bassarova AV, Am J Surg Pathol. 2006 Jul;30(7):878-82.
2. Biermann K, Histopathology. 2006 Sep;49(3):290-7.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of lung labelling Podoplanin with BP6110. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.