

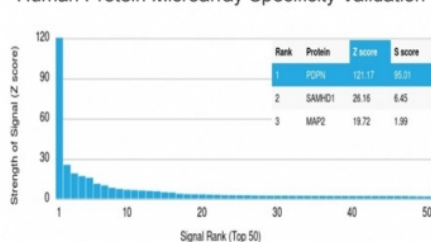
## Podoplanin Antibody [clone PDPN/1433] (V3404)

Catalog No.	Formulation	Size
V3404-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3404-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3404SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

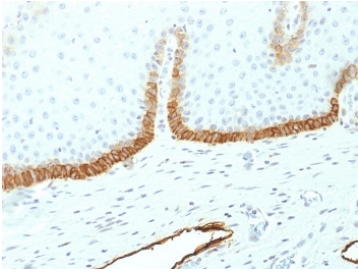
[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	PDPN/1433
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	Q86YL7
<b>Localization</b>	Cell surface, cytoplasmic
<b>Applications</b>	ELISA (order BSA/sodium Azide-free Format For Coating) : Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This Podoplanin antibody is available for research use only.

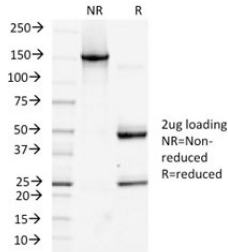
Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Podoplanin antibody (clone PDPN/1433). These results demonstrate the foremost specificity of the PDPN/1433 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD&#39;s) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD&#39;s) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



IHC testing of FFPE human cervical tissue with Podoplanin antibody (clone PDPN/1433). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free Podoplanin antibody (clone PDPN/1433) as confirmation of integrity and purity.

## Description

Podoplanin (PDPN) is a muco-protein which localizes in stromal cells of peripheral lymphoid tissue and thymic epithelial cells. As a regulator of the lymphatic endothelium, podoplanin probably plays a role in maintaining the unique shape of podocytes. It is selectively expressed in lymphatic endothelium as well as lymphoangiomas, Kaposi sarcomas, and in a subset of angiosarcomas with probable lymphatic differentiation. Recent studies have also shown podoplanin to be a highly sensitive and relatively specific marker for epithelioid mesothelioma. Therefore, it can be used in a panel to distinguish mesotheliomas or mesothelial cells from pulmonary carcinomas.

## Application Notes

Optimal dilution of the Podoplanin antibody should be determined by the researcher.

## Immunogen

A human recombinant partial protein corresponding to amino acids 24-126 was used as the immunogen for the Podoplanin antibody.

## Storage

Store the Podoplanin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).