

Code No. 28049

**Anti-Human
Podoplanin Rabbit IgG Affinity Purify**

Volume : 100 µg

Introduction : Podoplanin belongs to a type-I transmembrane protein which is a sialoglycoprotein with some O-glycosylation sites. It is known as a lymphatic endothelium-specific marker and believed to have a platelet-aggregating activity and to promote hematogenous metastasis of cancer cells. Podoplanin is thought to be expressed on the shape alteration of squamous cells and to relate to transition of cytoskeletal actin structure. Also, its activity which decreases the adhesion ability of cells and promotes their metastasis has drawn researchers' attention. Additionally, podoplanin is reported to be expressed in human tumors such as brain tumor, oral cavity cancer, head and neck cancer, esophageal cancer, lung cancer, testicular tumor, cervical cancer and malignant mesothelioma.

Antigen : Synthetic peptide of the part of Human Podoplanin

Purification : Purified with antigen peptide

Form : Lyophilized product from 1% BSA in PBS containing 0.05% NaN₃

How to use : 1.0 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

Stability : Lyophilized product, 5 years at 2 - 8 °C
: Solution, 2 years at -20 °C

Application : This antibody can be stained in formalin fixed paraffin embedded tissues by several Immunohistochemical techniques such as Avidin Biotin Complex (ABC) Method. The optimal dilution is about 1 µg/mL, however, the dilution rate should be optimized by each laboratories.
: This antibody can be used for western blotting in concentration about 5 µg /mL.