

Podoplanin (AB1449) mouse mAb

V0507

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 24 kDa (calculated)
- 36 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:200

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1449

Immunogen A synthetic peptide corresponding to the amino acid region 23 - 100 of the human Podoplanin protein.

Specificity The antibody can specifically recognize human Podoplanin protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name PDPN

Protein Name Podoplanin

Database Link	Organism	Swiss Prot.	Gene ID
	Human	Q86YL7	10630

Background Podoplanin, also known as D2-40 or M2A, is a 38kDa type I transmembrane mucin with multiple O-glycosylation sites. It is highly expressed in lymphatic endothelial cells, but not in blood vessels. In addition, it is also expressed in a variety of cells, such as mesothelial cells and type I alveolar epithelial cells, follicular dendritic cells, reticular cells, ovarian and testicular germ cells. Podoplanin is a very useful marker to distinguish malignant mesothelioma and adenocarcinoma, seminoma and follicular dendritic cell sarcoma. It is also the main choice to show and quantify lymphatic and intravascular tumor infiltration.