

# Podoplanin (ZR442)

## Rabbit Monoclonal Antibody

**Host:** Rabbit  
**Specificity:** Human  
**Immunogen:** Recombinant human Podoplanin (PDPN) protein fragment (around aa 24-126)  
**Ig Class:** IgG  
**Storage:** Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

**Specifications:** Podoplanin (ZR442) Rabbit Monoclonal primary antibody detects Podoplanin protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain Podoplanin protein.

**Localization:** Cytoplasmic.

**Intended Use:** Research Use Only (RUO). This antibody is not for diagnostic use.

**Description:** It recognizes a muco-protein of 38-43 kDa, which is identified as podoplanin (PDPN). It is located 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 lymphangiomas, Kaposi sarcoma, 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.

**Supplied As:** Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

### References:

1. Ordóñez NG. Adv Anat Pathol. 2006; 13:83-8.
2. Niakosari F, et al. Arch Dermatol. 2005; 141:440-4.
3. Kahn HJ, et al. Mod Pathol. 2002; 15:434-40.

**REF** Z2798RL/ Z2798RS/ Z2798RT/ Z2798RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)