



Rabbit Anti-Human PDPN Monoclonal Antibody, clone CQ7221 (CABT-Z267R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Synthetic peptide corresponding to residues within aa1-100 of Podoplanin was used as an immunogen.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	CQ7221
Purification	ProA affinity purified IgG.
Conjugate	Unconjugated
Applications	IHC-P Recommended concentration: IHC-P: 1:100-1:200
Molecular Weight	17 kDa
Cellular Localization	Membrane
Positive Control	Lung Labelling
Format	Liquid
Concentration	Lot specific
Size	100 µl

Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Preservative	0.01% Sodium azide
Storage	Store at -20 °C. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	<p>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).</p> <p>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.</p> <p>Podoplanin is a very useful marker in the differentiation between malignant mesothelioma and adenocarcinoma, and the identification of seminoma/dysgerminoma/IGCN.</p>
Keywords	<p>PDPN; podoplanin; T1A; GP36; GP40; Gp38; OTS8; T1A2; T11A; T1A-2; AGGRUS; HT1A1; PA2.26; T1-alpha; hT1alpha-1; hT1alpha-2; PA2.26 antigen; glycoprotein 36; glycoprotein, 36-KD; lung type I cell membrane associated glycoprotein; lung type-I cell membrane-associated glycoprotein (T1A-2)</p>

GENE INFORMATION

Gene Name	PDPN
Entrez Gene ID	10630
UniProt ID	Q86YL7