

Datasheet for ABIN1589722

anti-PODXL antibody



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Overview

Quantity:	100 µg
Target:	PODXL
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Clone:	GB6D9
Isotype:	IgG1
Specificity:	Membrane protein fraction of isolated human glomeruli
Characteristics:	Chromosomal location: 7q32-q33 Monoclonal antibodies were produced with the help of BALB/c mice using a membrane protein fraction of isolated human glomeruli as the immunizing antigen.
Purification:	The mouse IgG1 antibody (#4D5aE5E6) from hybridomas was purified from cell culture supernatant by Protein G chromatography.

Target Details

Target:	PODXL
Alternative Name:	Podocalyxin (PODXL Products)
Background:	Podocalyxin is the major sialoprotein in the glycocalyx of glomerular podocytes. It was shown

Target Details

that endothelial cell membranes contain Podocalyxin. By immunoelectron microscopy Podocalyxin was localized on the luminal membrane domain of endothelial cells, in a patchy distribution. The presence of Podocalyxin was confirmed in SDS extracts of lung tissue by immunoblotting. It is concluded that (a) Podocalyxin is a widespread component of endothelial plasma membranes, (b) it is restricted to the luminal membrane domain, and (c) it is distributed unevenly on the endothelial cell surface.

Synonyms: PODXL, PC, PCLP, Gp200, PCLP-1, Podocalyxin-like protein, GCTM-2 antigen, Gp200

NCBI Accession: [NM_001018111](#), [NP_001018121](#)

UniProt: [O00592](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: IF/IHC: use at 2-5 µg/mL.

Comment: Monoclonal Antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL.

Buffer: PBS

Handling Advice: Centrifuge vial prior to opening.

Storage: -20 °C

Storage Comment: The lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted antibody is stable for at least two weeks at 2-8 °C. Frozen aliquots are stable for at least 6 months when stored at -20 °C.

Expiry Date: 6 months