

Datasheet for ABIN7163725
anti-PODXL antibody (AA 32-458) (Biotin)



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Overview

Quantity:	100 µg
Target:	PODXL
Binding Specificity:	AA 32-458
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PODXL antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Podocalyxin protein (32-458AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PODXL
Alternative Name:	PODXL (PODXL Products)
Background:	Background: Involved in the regulation of both adhesion and cell morphology and cancer progression. Function as an anti-adhesive molecule that maintains an open filtration pathway

Target Details

between neighboring foot processes in the podocyte by charge repulsion. Acts as a pro-adhesive molecule, enhancing the adherence of cells to immobilized ligands, increasing the rate of migration and cell-cell contacts in an integrin-dependent manner. Induces the formation of apical actin-dependent microvilli. Involved in the formation of a preapical plasma membrane subdomain to set up initial epithelial polarization and the apical lumen formation during renal tubulogenesis. Plays a role in cancer development and aggressiveness by inducing cell migration and invasion through its interaction with the actin-binding protein EZR. Affects EZR-dependent signaling events, leading to increased activities of the MAPK and PI3K pathways in cancer cells.

Aliases: GCTM-2 antigen antibody, Gp2 antibody, Gp200 antibody, MGC138240 antibody, PC antibody, PCLP antibody, PCLP-1 antibody, PCLP1 antibody, Pcx antibody, Podocalyxin antibody, Podocalyxin like antibody, Podocalyxin like protein antibody, Podocalyxin-like protein 1 antibody, Podxl antibody, PODXL_HUMAN antibody

UniProt: [O00592](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.