

Datasheet for ABIN5675332
anti-PODXL antibody (AA 351-450)



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1 Image

Overview

Quantity:	100 µL
Target:	PODXL
Binding Specificity:	AA 351-450
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PODXL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse PODXL
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Rat
Purification:	Purified by Protein A.

Target Details

Target:	PODXL
Alternative Name:	PODXL, (PODXL Products)
Background:	Synonyms: Podocalyxin, Podxl, Podocalyxin-like protein 1, PC, PCLP-1, Pclp1

Target Details

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 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.

Gene ID: 27205

UniProt: [Q9R0M4](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

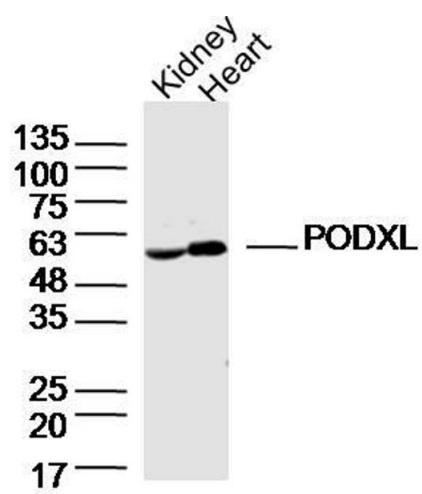
Preservative: ProClin

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

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months



Western Blotting

Image 1. Lane 1: Mouse Kidney lysates Lane 2: Mouse Heart lysates probed with PODXL Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.