

Datasheet for ABIN7163728

anti-PODXL antibody

9 Images

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Overview

Quantity:	100 µL
Target:	PODXL
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PODXL antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Human PODXL protein
Clone:	4D2G7
Isotype:	IgG2b
Cross-Reactivity:	Human, Mouse, Rat
Purification:	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

Target Details

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.

Aliases: Podocalyxin, GCTM-2 antigen, Gp200, Podocalyxin-like protein 1, PC, PCLP-1, PODXL, PCLP, PCLP1

UniProt: [O00592](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:500, IF:1:50-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

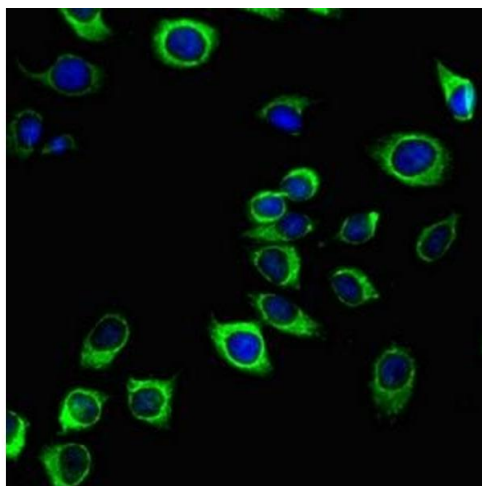
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

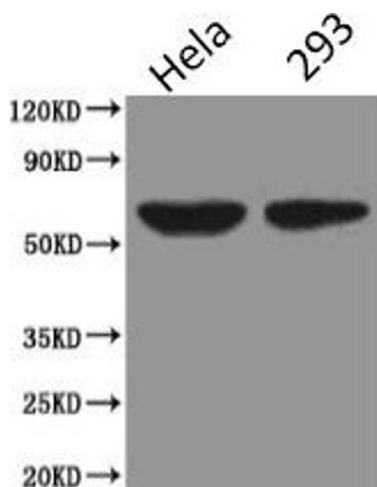
Storage: -20 °C,-80 °C

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



Immunofluorescence

Image 1. Immunofluorescent analysis of A549 cells using ABIN7163728 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Western Blotting

Image 2. Western Blot Positive WB detected in: Hela whole cell lysate, HEK293 whole cell lysate All lanes: PODXL antibody at 2.5 µg/mL Secondary Goat polyclonal to Mouse IgG at 1/5000 dilution Predicted band size: 59, 56 kDa Observed band size: 59 kDa



Western Blotting

Image 3. Western Blot Positive WB detected in: A549 whole cell lysate All lanes: PODXL antibody at 2.5 µg/mL Secondary Goat polyclonal to Mouse IgG at 1/5000 dilution Predicted band size: 59, 56 kDa Observed band size: 59 kDa

Please check the [product details page](#) for more images. Overall 9 images are available for ABIN7163728.