

Rabbit anti-Human Podocalyxin Polyclonal Antibody | anti-PODXL antibody

Rabbit anti-human Podocalyxin polyclonal Antibody

CATALOG # AAA229170	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

Podocalyxin; Polyclonal Antibody; Rabbit anti-human Podocalyxin polyclonal Antibody; GCTM-2 antigen; Gp200; Podocalyxin-like protein 1; PODXL ; PCLP; PCLP1; anti-PODXL antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	558
Applicable Applications for anti-PODXL antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Podocalyxin protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-10503 / sc-33138
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA229170 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IF (Immunofluorescence)

Immunofluorescent analysis of Hela cells using AAA229170 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IF (Immunofluorescence)

Immunofluorescent analysis of A549 cells using AAA229170 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human endometrial cancer using AAA229170 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney tissue using AAA229170 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-PODXL antibody	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.
Product Categories/Family for anti-PODXL antibody	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	66277202
NCBI GeneID	5420
NCBI Accession #	NP_001018121.1
NCBI GenBank Nucleotide #	NM_001018111.2
UniProt Accession #	O00592; Q52LZ7; Q53ER6; A6NHX8
Molecular Weight	55,386 Da
NCBI Official Full Name	podocalyxin isoform 1
NCBI Official Synonym Full Names	podocalyxin like
NCBI Official Symbol	PODXL
NCBI Official Synonym Symbols	PC; PCLP; Gp200; PCLP-1
NCBI Protein Information	podocalyxin
UniProt Protein Name	Podocalyxin
UniProt Gene Name	PODXL
UniProt Synonym Gene Names	PCLP; PCLP1; PC; PCLP-1
UniProt Entry Name	PODXL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/podocalyxin-antibody-immunohistochemistry-elisa/229170>