

Mouse anti-Human PODXL Monoclonal Antibody | anti-PODXL antibody

PODXL Antibody (C-term) (Ascites)

CATALOG # AAA283585	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, ELISA, Immunofluorescence
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PRODUCT SYNONYMS

PODXL; Monoclonal Antibody; PODXL Antibody (C-term) (Ascites); Podocalyxin; GCTM-2 antigen; Gp200; Podocalyxin-like protein 1; PC; PCLP-1; PCLP; PCLP1; anti-PODXL antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	632CT5.11.4
Specificity	This PODXL antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 410-439 amino acids from the C-terminal region of human PODXL.
Form/Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Sequence Positions	410-439
Sequence Length	558
Applicable Applications for anti-PODXL antibody	WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

PODXL Antibody (C-term)(Ascites) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the PODXL antibody detected the PODXL protein (arrow).



IF (Immunofluorescence)

Fluorescent confocal image of SY5Y cells stained with PODXL (C-term) antibody. SY5Y cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with AAA283585 PODXL (C-term) primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-mouse antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 ug/ml, 5 min).

ADDITIONAL INFORMATION

Related Product Information for anti-PODXL antibody	This gene encodes a member of the sialomucin protein family. The encoded protein was originally identified as an important component of glomerular podocytes. Podocytes are highly differentiated epithelial cells with interdigitating foot processes covering the outer aspect of the glomerular basement membrane. Other biological activities of the encoded protein include: binding in a membrane protein complex with Na ⁺ /H ⁺ exchanger regulatory factor to intracellular cytoskeletal elements, playing a role in hematopoietic cell differentiation, and being expressed in vascular endothelium cells and binding to L-selectin.
Product Categories/Family for anti-PODXL antibody	Cancer ; Cardiovascular ; Developmental Biology ; Signal Transduction
References	References for protein: 1.Schopperle, W.M., et al. Biochem. Biophys. Res. Commun. 398(3):372-376(2010) 2.Hsu, Y.H., et al. Am. J. Pathol. 176(6):3050-3061(2010) 3.Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) 4.Drossopoulou, G.I., et al. Am. J. Physiol. Renal Physiol. 297 (3), F594-F603 (2009) 5.Thomas, S.N., et al. Am. J. Physiol., Cell Physiol. 296 (3), C505-C513 (2009) References for SY5Y (SH-SY5Y; #CRL-2266): 1. Ross RA, et al. Coordinate morphological and biochemical interconversion of human neuroblastoma cells. J. Natl. Cancer Inst. 71: 741-749, 1983. [PubMed: 6137586]; 2. Biedler JL, et al. Multiple neurotransmitter synthesis by human neuroblastoma cell lines and clones. Cancer Res. 38: 3751-3757, 1978. [PubMed: 29704].

NCBI AND UNIPROT INFORMATION

NCBI GI #	66277202
NCBI GeneID	5420
NCBI Accession #	NP_001018121.1 ; NP_005388.2
NCBI GenBank Nucleotide #	NM_001018111.2
UniProt Accession #	O00592 ; Q52LZ7 ; Q53ER6 ; A6NHX8
Molecular Weight	58635
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.