

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

Podocalyxin Monoclonal Antibody

CATALOG # AAA308391	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Podocalyxin; Monoclonal Antibody; Podocalyxin Monoclonal Antibody; GCTM-2 antigen; Gp200; PC; PODXL; PCLP; PCLP1; anti-PODXL antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	Specific for PODXL denatured and native forms
Purity/Purification	Protein G Purified
Form/Format	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	558
Applicable Applications for anti-PODXL antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant PODXL Protein
Immunogen Type	Protein
Preparation and Storage	Store at -20 degree C

IMAGES


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human lung tissue using at dilution of 1:200.


IHC (Immunohistochemistry)

Immunohistochemical analysis of A549 using at dilution of 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-PODXL antibody	Podocalyxin, a sialoglycoprotein, is thought to be the major constituent of the glycocalyx of podocytes. It is a member of the CD34 family of transmembrane sialomucins. It coats the secondary foot processes of the podocytes. It is negatively charged and thus functions to keep adjacent foot processes separated, thereby keeping the urinary filtration barrier open. This function is further supported by knockout studies in mice which reveal an essential role in podocyte morphogenesis. Podocalyxin is also upregulated in a number of cancers and is frequently associated with poor prognosis. Sialylated, O-glycosylated glycoforms of podocalyxin expressed by colon carcinoma cells possess L-selectin and E-selectin binding activity, and may be pivotal to the metastatic spread of colon carcinoma cells.
Product Categories/Family for anti-PODXL antibody	Total protein Ab

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/monoclonal/podocalyxin-antibody-immunohistochemistry-elisa/308391>