

Anti-Podocalyxin/PODXL Antibody

Catalog Number: A03359-2

About PODXL

Podocalyxin, also known as podocalyxin-like protein 1 (PODXL or PCLP1), is a transmembrane glycoprotein belonging to the CD34 family of sialomucins. Podocalyxin was originally identified as the major sialoprotein on podocytes of the kidney glomerulus but was later found to be expressed on vascular endothelial cells and early hematopoietic progenitors. It is involved in the regulation of both adhesion and cell morphology. In addition, podocalyxin is highly expressed in embryonic stem cells and aberrant expression of podocalyxin has been implicated in a wide range of cancers. Podocalyxin is a protein with a peptide bone of 55.5 kDa that undergoes a post-translational glycosylation, the different molecular mass of podocalyxin indicates the extent and variability of glycosylation patterns (PMID: 17092254).

Overview

Product Name	Anti-Podocalyxin/PODXL Antibody
Reactive Species	Human
Description	Boster Bio Anti-Podocalyxin/PODXL Antibody catalog # A03359-2. Tested in WB, IHC, IF, ELISA applications. This antibody reacts with Human.
Application	ELISA, IF, IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	O00592

Technical Details

Immunogen	E.coli-derived human Podocalyxin/PODXL recombinant protein (Position: S25-F426).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000

Immunohistochemistry, 1:50-400
Immunofluorescence, 1:50-400
ELISA, 1:100-1000

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