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Anti-Podocalyxin [mAb 2A4] Bulk Size Ab04024-1.1-BT

Isotype and Format: Mouse IgG1, Kappa

Clone Number: mAb 2A4

Alternative Name(s) of Target: PC; PCLP-1; GCTM-2 antigen; Gp200; Podocalyxin-like protein 1; 2A4

UniProt Accession Number of Target Protein: O00592

Published Application(s): IP, WB, IF, IHC

Published Species Reactivity: Rabbit, Rat, Human

Immunogen: The original antibody was generated by immunizing BALB/C mice with purified human podocalyxin-glutathione S-transferase (GST) fusion protein containing the intracellular, transmembrane, and a part of the extracellular domain of human PCLP.

Specificity: The antibody is specific for human podocalyxin. The epitope recognized by the antibody is located on the intracellular domain of podocalyxin. Podocalyxin, a sialoglycoprotein, is thought to be the major constituent of the glycocalyx of podocytes in the glomerulus (Bowman's capsule) in the kidneys. It is a member of the CD34 family of transmembrane sialomucins.

Application Notes: The antibody recognized rabbit PCLP1 in human renal cortical sections on immunofluorescence. The antibody detected PCLP by western blot analysis. The antibody recognized and immunoprecipitated rat podocalyxin (Kershaw et al., 1997; PMID: 9188463). The antibody detected PCLP in HEV of tonsil by immunofluorescence analysis. The antibody stained HEV of paraffin-embedded samples of lymph node and appendix by immunohistochemistry (Sasseti et al., 1998; PMID: 9625756).

Antibody First Published in: Kershaw et al. Molecular cloning and characterization of human podocalyxin-like protein. Orthologous relationship to rabbit PCLP1 and rat podocalyxin. J Biol Chem. 1997 Jun 20;272(25):15708-14. doi: 10.1074/jbc.272.25.15708. PMID:9188463

Note on publication: The original paper describes the generation and characterization of the original antibody.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.