

Datasheet for ABIN7658743

## anti-PODXL antibody (Extracellular Domain) (CF®740)



[Go to Product page](#)

### Overview

|                      |                                                                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                                               |
| Target:              | PODXL                                                                                                                                                                                |
| Binding Specificity: | Extracellular Domain                                                                                                                                                                 |
| Reactivity:          | Human, Rat, Rabbit                                                                                                                                                                   |
| Host:                | Mouse                                                                                                                                                                                |
| Clonality:           | Monoclonal                                                                                                                                                                           |
| Conjugate:           | This PODXL antibody is conjugated to CF®740                                                                                                                                          |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS),<br>Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)<br>(IHC (fp)) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                  |
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| Purpose:         | Podocalyxin(3D3), CF740 conjugate                                                                                                                                                                                                                                                                                                                                                |
| Immunogen:       | A recombinant protein fragment containing the intracellular, transmembrane, and part of the extracellular domain of human podocalyxin                                                                                                                                                                                                                                            |
| Clone:           | 3D3                                                                                                                                                                                                                                                                                                                                                                              |
| Isotype:         | IgG1                                                                                                                                                                                                                                                                                                                                                                             |
| Characteristics: | Podocalyxin is a member of the CD34 transmembrane sialomucin family. It is highly on kidney podocyte foot projections and plays essential roles in kidney development and homeostasis, blood filtration and urine formation. It is also expressed on vascular endothelia, hematopoietic progenitors and a subset of neurons. Overexpression of podocalyxin may be linked to more |

## Product Details

aggressive tumor behavior. Podocalyxin antibody can identify podocytes in the urine (podocyturia) that may indicate glomerular disease, pre-eclampsia, and other kidney pathology. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Target:           | PODXL                                                                                                                           |
| Alternative Name: | Podocalyxin                                                                                                                     |
| Background:       | Synonyms: PODXL, PDXL, GCTM-2, Gp200, PCLP1, Pcx, Podocalyxin-like protein 1<br>Gene Symbol: PODXL<br>Tissue Expression: Kidney |
| Molecular Weight: | 165-170 kDa                                                                                                                     |
| Gene ID:          | 5420                                                                                                                            |
| UniProt:          | <a href="#">000592</a>                                                                                                          |
| Pathways:         | <a href="#">Tube Formation</a>                                                                                                  |

## Application Details

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| Application Notes: | Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Immunofluorescence: 1-2 µg/mL. Immunohistology formalin-fixed 0.5-1 µg/mL. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Flow Cytometry 0.5-1 µg/million cells/0.1 mL. Western blotting 0.5-1 µg/mL. Immunoprecipitation 1-2 µg/500 µg protein. Optimal dilution for a specific application should be determined by user |
| Comment:           | Positive Control: HeLa, Raji, Jurkat cells, Angiosarcoma, Breast, Prostate, Liver, Pancreatic, Kidney                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Handling

|                    |                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                               |
| Concentration:     | 0.1 mg/mL                                                                                                                            |
| Buffer:            | PBS, 0.1 % rBSA, 0.05 % azide                                                                                                        |
| Preservative:      | Sodium azide                                                                                                                         |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.               |
| Handling Advice:   | Protect from light                                                                                                                   |
| Storage:           | 4 °C                                                                                                                                 |
| Storage Comment:   | Stable at room temperature or 37°C for 7 days.<br>Protect from light<br>Store at 2 to 8°C. Protect fluorescent conjugates from light |
| Expiry Date:       | 24 months                                                                                                                            |