

Datasheet for ABIN7658744

## anti-PODXL antibody (AA 310-447) (CF®740)



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### Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | PODXL                                                                                                   |
| Binding Specificity: | AA 310-447                                                                                              |
| Reactivity:          | Human                                                                                                   |
| Host:                | Mouse                                                                                                   |
| Clonality:           | Monoclonal                                                                                              |
| Conjugate:           | This PODXL antibody is conjugated to CF®740                                                             |
| Application:         | Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

### Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Podocalyxin (PODXL) (Hematopoietic Stem Cell Marker)(PODXL/2184), CF740 conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Immunogen:       | Recombinant fragment of human Podocalyxin (around aa 310-447)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Clone:           | PODXL-2184                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Isotype:         | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Characteristics: | Podocalyxin is a member of the CD34 transmembrane sialomucin family. It is over-expressed on the 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 aggressive tumor behavior. Podocalyxin antibody can identify podocytes in the urine (podocyturia) that may indicate glomerular disease, pre-eclampsia, and other kidney |

## Product Details

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="#">O00592</a>                                                                                                          |
| Pathways:         | <a href="#">Tube Formation</a>                                                                                                  |

## Application Details

|                    |                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator.                                    |
| 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

|                  |                                                                                                                                      |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                            |