

Datasheet for ABIN6940330
anti-PODXL antibody (AA 310-447)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	PODXL
Binding Specificity:	AA 310-447
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PODXL antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment of human Podocalyxin (around aa 310-447) (exact sequence is proprietary)
Clone:	PODXL-2185
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	PODXL
Alternative Name:	PODXL (PODXL Products)
Background:	Podocalyxin is a member of the CD34 transmembrane sialomucin family. It is over-expressed

Target Details

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 pathology.

Molecular Weight: 165-170kDa

Gene ID: 5420

UniProt: [O00592](#)

Pathways: [Tube Formation](#)

Application Details

Application Notes: Positive Control: HeLa, Raji or Jurkat cells. Angiosarcoma, Breast, Prostate, Liver, Pancreatic, Kidney (IHC).

Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT),(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),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

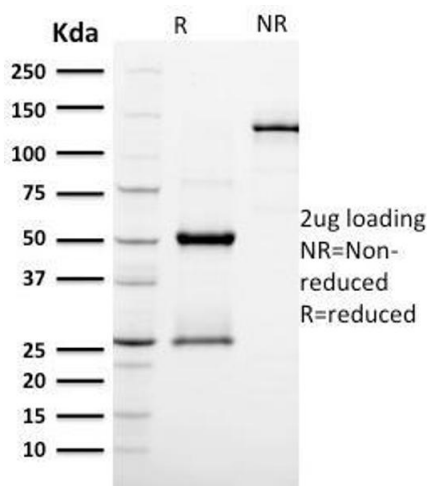
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

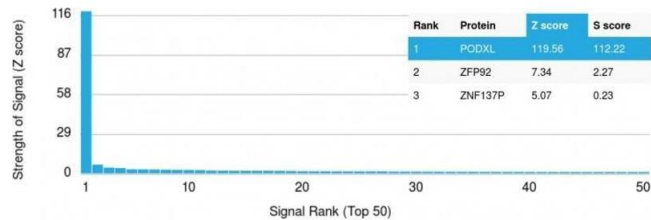
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



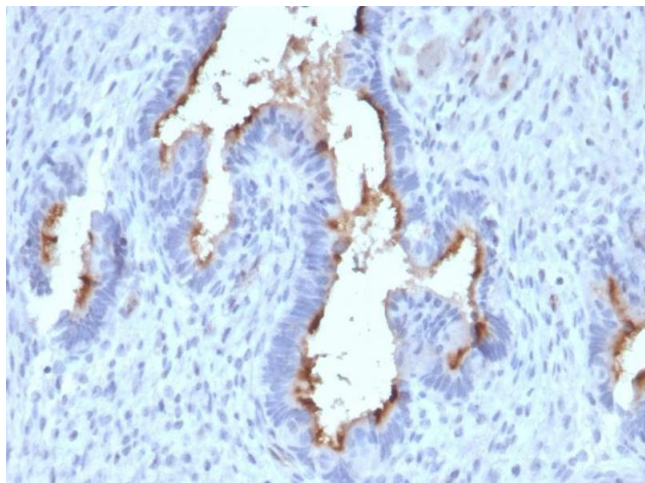
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified EGFR Mouse Monoclonal Antibody (GFR/2596). Confirmation of Integrity and Purity of Antibody.



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Podocalyxin Mouse Monoclonal Antibody (PODXL/2185). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Endometrium stained with Podocalyxin Mouse Monoclonal Antibody (PODXL/2185).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940330.