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Datasheet for ABIN6145871  
**anti-PODXL antibody (AA 287-526)**

1 Image

1 Publication

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | PODXL  |
| Binding Specificity: | AA 287-526                                     |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal                                     |
| Conjugate:           | This PODXL antibody is un-conjugated           |
| Application:         | Western Blotting (WB), Immunofluorescence (IF) |

### Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | Recombinant fusion protein containing a sequence corresponding to amino acids 287-526 of human PODXL (NP_005388.2).  |
| Sequence:         | TAASTTHRYP KTPSPTVAHE SNWAKCEDLE TQTQSEQLV LNLTGNTLCA GGASDEKLIS<br>LICRAVKATF NPAQDKCGIR LASVPGSQT VVKEITIHTK LPAKDVYERL KDKWDELKEA<br>GVSDMKLGDQ GPPEEAEDRF SMPLIITIVC MASFLLLVAA LYGCCHQRLS QRKDQQLRTE<br>ELQTVENGYH DNPTLEVMET SSEMQEKKVV SLNGELGDSW IVPLDNLTKD DLDEEEDTHL |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human, Mouse, Rat  |
| Characteristics:  | Polyclonal Antibodies  |

## Target Details

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|                   |   |
|-------------------|---|
| Target:           | PODXL   |
| Alternative Name: | PODXL ( <a href="#">PODXL Products</a> )  |
| Background:       | <p>This gene encodes a member of the sialomucin protein family. The encoded protein was originally identified as an important component of glomerular podocytes. Podocytes are highly differentiated epithelial cells with interdigitating foot processes covering the outer aspect of the glomerular basement membrane. Other biological activities of the encoded protein include: binding in a membrane protein complex with Na<sup>+</sup>/H<sup>+</sup> exchanger regulatory factor to intracellular cytoskeletal elements, playing a role in hematopoietic cell differentiation, and being expressed in vascular endothelium cells and binding to L-selectin.,PODXL,Gp200,PC,PCLP,PCLP-1,Cancer,Tumor biomarkers,Signal Transduction,Cell Biology &amp; Developmental Biology,Cytoskeleton,Extracellular Matrix,Stem Cells,Hematopoietic Progenitors,Cardiovascular,PODXL</p> |
| Molecular Weight: | 55 kDa/58 kDa   |
| Gene ID:          | 5420  |
| UniProt:          | <a href="#">O00592</a>  |
| Pathways:         | <a href="#">Tube Formation</a>  |

## Application Details

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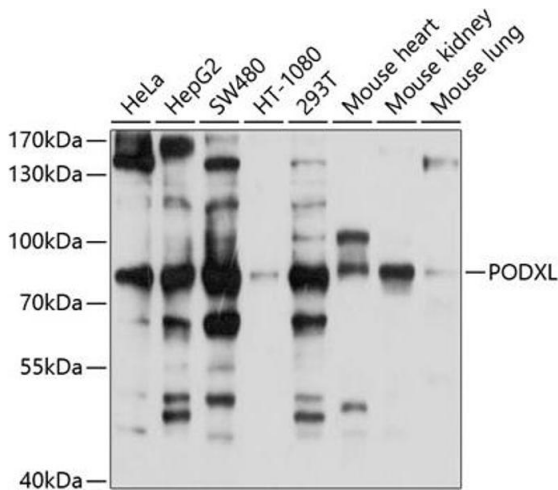
|                    |                                     |
|--------------------|-------------------------------------|
| Application Notes: | WB,1:1000 - 1:2000,IF,1:100 - 1:200 |
| Restrictions:      | For Research Use only               |

## Handling

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|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Buffer:            | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.  |
| 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:           | -20 °C   |
| Storage Comment:   | Store at -20°C. Avoid freeze / thaw cycles.  |

Product cited in: Wu, Xiong, Li, Yang, Ge et al.: "Integrated Proteomic and Transcriptomic Analysis Reveals Long Noncoding RNA HOX Transcript Antisense Intergenic RNA (HOTAIR) Promotes Hepatocellular Carcinoma Cell Proliferation by Regulating Opioid ..." in: **Molecular & cellular proteomics : MCP**, Vol. 17, Issue 1, pp. 146-159, (2019) ([PubMed](#)).



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using PODXL antibody (ABIN6130628, ABIN6145871, ABIN6145872 and ABIN6214356) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.