

## PKD2 (PT1685R) PT™ Rabbit mAb

CatalogNo: YM9527 **Recombinant** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 97kD (Calculated)
- 115kD (Observed)

#### Isotype

- IgG, Kappa

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

### Recommended Dilution Ratios

**IHC 1:200-1:500****WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000**

### Basic Information

**Clonality** Monoclonal**Clone Number** PT1685R

### Immunogen Information

**Specificity** Endogenous

### Target Information

**Gene name** PRKD2

**Protein Name** Serine/threonine-protein kinase D2

Organism	Gene ID	UniProt ID
Human	<a href="#">25865</a> ;	<a href="#">Q9BZL6</a> ;
Mouse	<a href="#">101540</a> ;	<a href="#">Q8BZ03</a> ;
Rat	<a href="#">292658</a> ;	<a href="#">Q5XIS9</a> ;

**Cellular Localization**

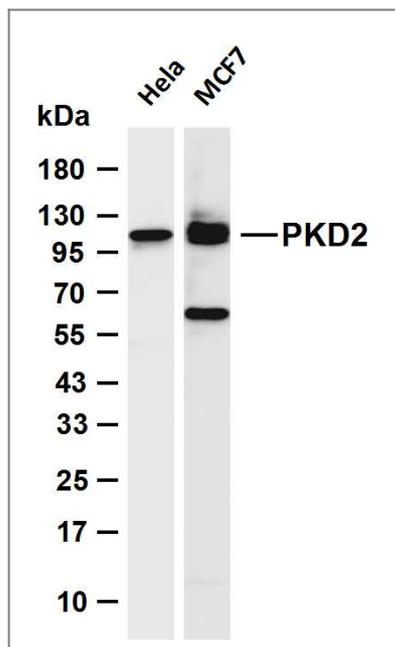
Cytoplasm . Cell membrane . Nucleus . Golgi apparatus, trans-Golgi network . Translocation to the cell membrane is required for kinase activation. Accumulates in the nucleus upon CK1-mediated phosphorylation after activation of G-protein-coupled receptors. Nuclear accumulation is regulated by blocking nuclear export of active PRKD2 rather than by increasing import. .

**Tissue specificity** Widely expressed.

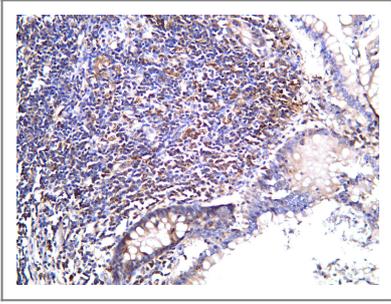
**Function**

Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,enzyme regulation:Activated by diacylglycerol and phorbol esters.,Function:Calcium-independent, phospholipid-dependent, serine- and threonine-specific protein kinase.,PTM:Autophosphorylated. Phorbol esters stimulates autophosphorylation. Phosphorylation of Ser-876 correlates with the activation status of the kinase.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. PKD subfamily.,similarity:Contains 1 PH domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 2 phorbol-ester/DAG-type zinc fingers.,tissue specificity:Widely expressed.,

## Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PKD2 (PT1685R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: MCF7 Predicted band size: 97kDa Observed band size: 115kDa



Human appendix was stained with anti-PKD2 (PT1685R) Rabbit antibody

## | Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code  
to access additional  
product information:  
**PKD2 (PT1685R)**  
**PT™ Rabbit mAb**

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For Research Use Only. Not for Use in Diagnostic Procedures.

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