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# Plakophilin 4 Polyclonal Antibody

Catalog # AP71968

## Product Information

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|---|---|
| **Application** | WB, IHC-P, IF, ICC, E |
| **Primary Accession** | Q99569 |
| **Reactivity** | Human, Mouse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 131868 |

## Additional Information

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|---|---|
| **Gene ID** | 8502 |
| **Other Names** | PKP4; Plakophilin-4; p0071 |
| **Dilution** | WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A |
| **Format** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| **Storage Conditions** | -20℃ |

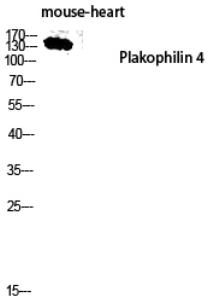
## Protein Information

| | |
|---|---|
| **Name** | PKP4 |
| **Function** | Plays a role as a regulator of Rho activity during cytokinesis. May play a role in junctional plaques. |
| **Cellular Location** | Cell junction, desmosome. Cytoplasm, cytoskeleton, spindle. Midbody Cell membrane; Peripheral membrane protein. Note=Associated with the pericentrosomal region in interphase and with spindle poles during mitosis. In anaphase, during chromosome segregation, is recruited to the central microtubule bundle, focussed at the spindle midzone and ultimately localizes to the midbody at cytokinesis. Constituent of the midbody cytoskeletal matrix. Colocalized with desmoplakin at desmosomal junctional plaques in cultured epithelial cells |
| **Tissue Location** | Expressed in salivary glands (at protein level) (PubMed:30479852). Expressed in arrector pili muscle (at protein level) (PubMed:29034528). |

## Background

Plays a role as a regulator of Rho activity during cytokinesis. May play a role in junctional plaques.

## Images




Western blot analysis of mouse-heart lysis using Plakophilin 4 antibody. Antibody was diluted at 1:2000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.