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PKP4 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20495b

Specification

PKP4 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q99569
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**131868**
Antigen Region	**1040-1068**

PKP4 Antibody (C-term) - Additional Information

Gene ID 8502

Other Names
Plakophilin-4, p0071, PKP4

Target/Specificity
This PKP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1040-1068 amino acids from the C-terminal region of human PKP4.

Dilution
WB~~1:1000
IHC-P~~1:100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PKP4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PKP4 Antibody (C-term) - 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

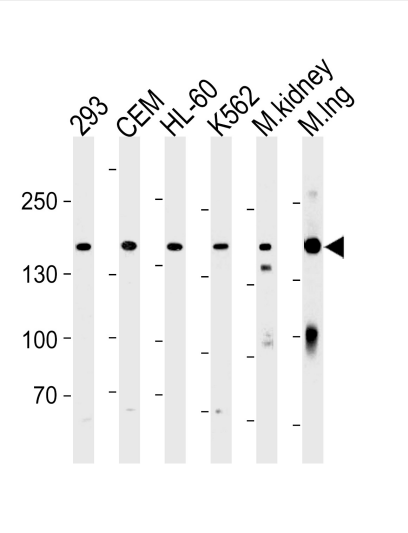
Tissue Location
Expressed in salivary glands (at protein level) (PubMed:30479852). Expressed in arrector pili muscle (at protein level) (PubMed:29034528).

PKP4 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

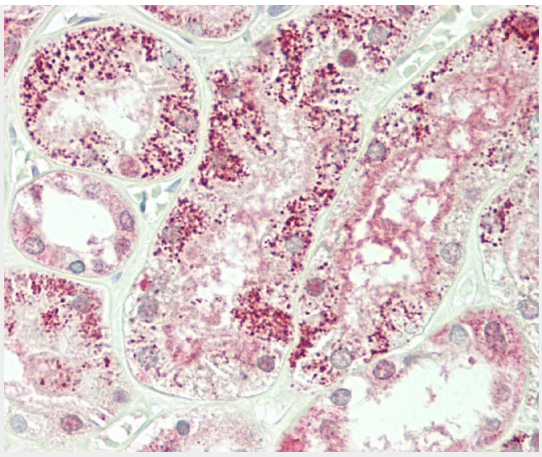
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PKP4 Antibody (C-term) - Images



PKP4 Antibody (C-term) (Cat. #AP20495b) western blot analysis in 293,CEM,HL-60,K562 cell line and mouse kidney,lung tissue lysates (35ug/lane).This demonstrates the PKP4 antibody detected the PKP4 protein (arrow).

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Formalin-fixed and paraffin-embedded H.kidney tissue reacted with PKP4 Antibody (C-term) (Cat#AP20495b).

PKP4 Antibody (C-term) - Background

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

PKP4 Antibody (C-term) - References

Hatzfeld M., et al. J. Cell Sci. 109:2767-2778(1996).
Hillier L.W., et al. Nature 434:724-731(2005).
Salomon A.R., et al. Proc. Natl. Acad. Sci. U.S.A. 100:443-448(2003).
Zhang Y., et al. Mol. Cell. Proteomics 4:1240-1250(2005).
Tao W.A., et al. Nat. Methods 2:591-598(2005).