

PKP4 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP20495b**Specification**

PKP4 Blocking Peptide (C-term) - Product InformationPrimary Accession [Q99569](#)**PKP4 Blocking Peptide (C-term) - Additional Information****Gene ID** 8502**Other Names**

Plakophilin-4, p0071, PKP4

Target/Specificity

The synthetic peptide sequence is selected from aa 1055-1068 of Human PKP4

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PKP4 Blocking Peptide (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 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

PKP4 Blocking Peptide (C-term) - Images**PKP4 Blocking Peptide (C-term) - Background**

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PKP4 Blocking Peptide (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).