

**KIFC3 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9690a****Specification**

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**KIFC3 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [Q9BVG8](#)

**KIFC3 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 3801

**Other Names**

Kinesin-like protein KIFC3, KIFC3

**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.

**KIFC3 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** KIFC3

**Function**

Minus-end microtubule-dependent motor protein. Involved in apically targeted transport (By similarity). Required for zonula adherens maintenance.

**Cellular Location**

Cell junction, adherens junction. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Cytoplasmic vesicle membrane; Peripheral membrane protein. Note=Apical cell membrane. On membrane organelles immediately beneath the apical plasma membrane of renal tubular epithelial cells. Localized in the distal tubules and loops of Henle in the kidney, but not in the proximal tubules or the glomeruli, with stronger staining in the apical area of these epithelial cells (By similarity). Localizes along zonula adherens only at mature cell-cell contacts.

**KIFC3 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**KIFC3 Antibody (N-term) Blocking Peptide - Images****KIFC3 Antibody (N-term) Blocking Peptide - Background**

KIFC3 belongs to the large superfamily of kinesins, molecular motors that use the energy of ATP hydrolysis to translocate cargoes along microtubules. Members share extensive homology within a globular domain containing the microtubule- and ATP-binding sites and have a coiled-coil stalk domain that mediates oligomerization. Different kinesin family members participate in specific and diverse motile processes, such as cell division, organelle transport, and nuclear movement

**KIFC3 Antibody (N-term) Blocking Peptide - References**

De, S., et al. Cancer Res. 69(20):8035-8042(2009)Roni, V., et al. BMC Genomics 8, 42 (2007) :Xu, Y., et al. J. Cell Biol. 158(2):293-303(2002)Noda, Y., et al. J. Cell Biol. 155(1):77-88(2001)Hoang, E., et al. Exp. Eye Res. 69(1):57-68(1999)