

Mouse Aurkc Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14704b**Specification**

Mouse Aurkc Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O88445](#)**Mouse Aurkc Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 20871**Other Names**

Aurora kinase C, Aurora 3, Aurora/IPL1-related kinase 3, ARK-3, Aurora-related kinase 3, Aurora/IPL1/Eg2 protein 1, Serine/threonine-protein kinase 13, Serine/threonine-protein kinase aurora-C, Aurkc, Aie1, Aik3, Airk3, Ark3, Stk13

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.

Mouse Aurkc Antibody (C-term) Blocking Peptide - Protein Information**Name** Aurkc**Synonyms** Aie1, Aik3, Airk3, Ark3, Stk13**Function**

Serine/threonine-protein kinase component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. Also plays a role in meiosis and more particularly in spermatogenesis. Has redundant cellular functions with AURKB and can rescue an AURKB knockdown. Like AURKB, AURKC phosphorylates histone H3 at 'Ser-10' and 'Ser-28'. AURKC phosphorylates the CPC complex subunits BIRC5/survivin and INCENP leading to increased AURKC activity. Phosphorylates TACC1, another protein involved in cell division, at 'Ser-228'.

Cellular Location

Nucleus. Chromosome. Chromosome, centromere {ECO:0000250|UniProtKB:Q9UQB9}. Cytoplasm, cytoskeleton, spindle {ECO:0000250|UniProtKB:Q9UQB9}. Note=Distributes in the condensed chromosomes during prophase to metaphase. After entering anaphase, there is a dissociation from separated chromosomes and a redistribution to midzone microtubules, and finally remains in

the midbody during cytokinesis (By similarity) {ECO:0000250|UniProtKB:Q9UQB9}

Tissue Location

Expressed only in testis.

Mouse Aurkc Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Aurkc Antibody (C-term) Blocking Peptide - Images**Mouse Aurkc Antibody (C-term) Blocking Peptide - Background**

Aurkc may play a part in organizing microtubules in relation to the function of the centrosome/spindle pole during mitosis.