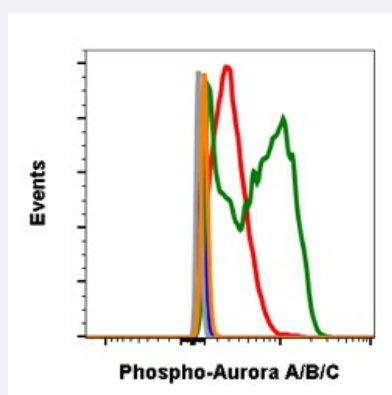


RecomAb™

AURKA/AURKB/AURKC recombinant monoclonal antibody, clone AuroraABC-CC12

Catalog # RAB02850 Size 200 uL

Applications



Flow Cytometry

Flow cytometric analysis of HeLa cells secondary antibody only negative control (blue) or untreated (grey) or treated with nocodazole (orange) using 0.5 ug/mL of isotype control or untreated (red) or treated (green) using Phospho-Aurora A (Thr288)/Aurora B (Thr232)/Aurora C (Thr198) antibody AuroraABC-CC12 at 0.5 ug/mL.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human AURKA AURKB AURKC.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding human Aurora A (Thr288)/Aurora B (Thr232)/Aurora C (Thr198)
Reactivity	Human
Form	Liquid
Purification	Protein A+G
Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.

Storage Buffer	1X PBS, 0.02% Sodium azide, 50% Glycerol, 0.1% BSA
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

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Gene Info — AURKA

Entrez GeneID	6790
Protein Accession#	O14965 Q96GD4 Q9UQB9
Gene Name	AURKA
Gene Alias	AIK, ARK1, AURA, AURORA2, BTAK, MGC34538, STK15, STK6, STK7
Gene Description	aurora kinase A
Omim ID	114500 603072
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is a cell cycle-regulated kinase that appears to be involved in microtubule formation and/or stabilization at the spindle pole during chromosome segregation. The encoded protein is found at the centrosome in interphase cells and at the spindle poles in mitosis. This gene may play a role in tumor development and progression. A processed pseudogene of this gene has been found on chromosome 1, and an unprocessed pseudogene has been found on chromosome 10. Multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]
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Other Designations	IPL1-related kinase OTTHUMP00000031340 OTTHUMP00000031342 OTTHUMP00000031343 OTTHUMP00000031344 OTTHUMP00000031345 OTTHUMP00000166071 aurora-A aurora-related kinase 1 aurora/IPL1-like kinase breast-tumor-amplified kinase serine/threonine kinase 15 serine/
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Gene Info — AURKC

Entrez GeneID [6795](#)

Protein Accession# [O14965|Q96GD4|Q9UQB9](#)

Gene Name AURKC

Gene Alias AIE2, AIK3, AurC, STK13, aurora-C

Gene Description aurora kinase C

Omim ID [243060 603495](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the Aurora subfamily of serine/threonine protein kinases. The encoded protein is a chromosomal passenger protein that forms complexes with Aurora-B and inner centromere proteins and may play a role in organizing microtubules in relation to centrosome/spindle function during mitosis. This gene is overexpressed in several cancer cell lines, suggesting an involvement in oncogenic signal transduction. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations aurora/IPL1-related kinase 3|aurora/IPL1/EG2 protein 2|serine/threonine kinase 13 (aurora/IPL1-like)

Gene Info — AURKB

Entrez GeneID [9212](#)

Protein Accession# [O14965|Q96GD4|Q9UQB9](#)

Gene Name AURKB

Gene Alias AIK2, AIM-1, AIM1, ARK2, AurB, IPL1, STK12, STK5

Gene Description aurora kinase B

Omim ID [604970](#)

Gene Ontology [Hyperlink](#)

Gene Summary Chromosomal segregation during mitosis as well as meiosis is regulated by kinases and phosphatases. The Aurora kinases associate with microtubules during chromosome movement and segregation. Aurora kinase B localizes to microtubules near kinetochores, specifically to the specialized microtubules called K-fibers, and Aurora kinase A (MIM 603072) localizes to centrosomes (Lampson et al., 2004 [PubMed 14767480]).[supplied by OMIM]

Other Designations

aurora-1|aurora-B|serine/threonine kinase 12

Disease

- [Adenocarcinoma](#)
- [Body Weight](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Chromosome Aberrations](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Glioblastoma](#)
- [Head and Neck Neoplasms](#)
- [Infertility](#)
- [Kidney Neoplasms](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Mouth Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)

- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Skin Neoplasms](#)
- [Stomach Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Neoplasms](#)
- [Werner syndrome](#)