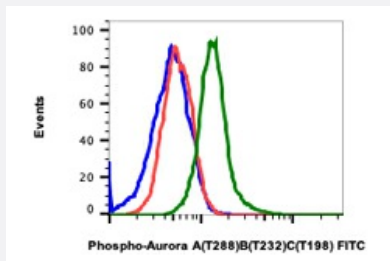


RecomAb™

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

Catalog # RAB03063 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of HeLa cells untreated and unstained as negative control (blue) or untreated (red) or treated with nocodazole (green) and stained using Phospho-Aurora A (Thr288)/Aurora B (Thr232)/Aurora C (Thr198) antibody FITC conjugate, AuroraABC-CC12.

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
Conjugation	FITC
Purification	Protein A purification, Protein G purification
Isotype	IgG
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.2% BSA, 0.09% Sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Flow cytometric analysis of HeLa cells untreated and unstained as negative control (blue) or untreated (red) or treated with nocodazole (green) and stained using Phospho-Aurora A (Thr288)/Aurora B (Thr232)/Aurora C (Thr198) antibody FITC conjugate, AuroraABC-CC12.

Gene Info — AURKAPS1

Entrez GeneID	6791
Protein Accession#	O14965;Q96GD4;Q9UQB9
Gene Name	AURKAPS1
Gene Alias	AurAps1, STK6P
Gene Description	aurora kinase A pseudogene 1
Gene Ontology	Hyperlink
Other Designations	-

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

- [Brain Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Infertility](#)