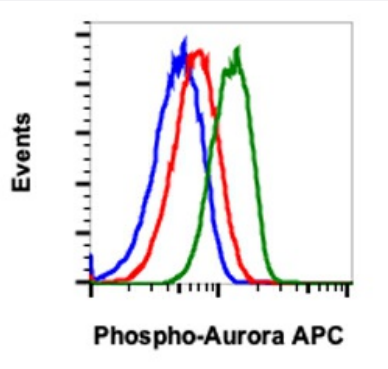
RecomAb™

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

Catalog # RAB03064 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 AuroraABC-CC12 APC conjugate.

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)/Auror a B (Thr232)/Aurora C (Thr198)
Reactivity	Human
Form	Liquid
Conjugation	APC
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 shoul d be handled by trained staff only.

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Gene Info — CDKL5

Entrez GeneID	6792
Protein Accession#	O14965;Q96GD4;Q9UQB9
Gene Name	CDKL5
Gene Alias	ISSX, STK9
Gene Description	cyclin-dependent kinase-like 5
Omim ID	300203 308350 312750
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of Ser/Thr protein kinase family and encodes a phosphorylated protein wit h protein kinase activity. Mutations in this gene have been associated with X-linked infantile spas m syndrome (ISSX), also known as X-linked West syndrome, and Rett syndrome (RTT). Alternate transcriptional splice variants have been characterized. [provided by RefSeq
Other Designations	OTTHUMP00000023002|OTTHUMP00000023003|serine/threonine kinase 9

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 en coded 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/spin dle 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 vari ants. [provided by RefSeq
Other Designations	aurora/IPL1-related kinase 3|aurora/IPL1/EG2 protein 2|serine/threonine kinase 13 (aurora/IPL1-li ke)

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 phosph atases. The Aurora kinases associate with microtubules during chromosome movement and segr egation. Aurora kinase B localizes to microtubules near kinetochores, specifically to the specializ ed microtubules called K-fibers, and Aurora kinase A (MIM 603072) localizes to centrosomes (La mpson et al., 2004 [PubMed 14767480]).[supplied by OMIM
Other Designations	aurora-1|aurora-B|serine/threonine kinase 12

Disease

- Brain Neoplasms
- Chromosome Deletion

- Developmental Disabilities
- Epilepsy
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Glioblastoma
- Infertility
- Mental Retardation
- Rett syndrome
- Seizures
- Spasms