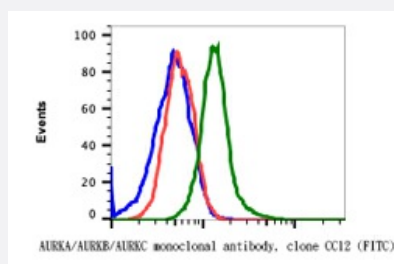


AURKA/AURKB/AURKC (phospho T288/232/198) monoclonal antibody, clone CC12 (FITC)

Catalog # MAB23360 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of HeLa cells with AURKA/AURKB/AURKC (phospho Thr288/232/198) monoclonal antibody, clone CC12 (FITC)(Cat # MAB23360). Unstained as negative control (blue) or untreated (red) or treated with nocodazole (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human AURKA/AURKB/AURKC.
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding human Aurora A (Thr288)/Aurora B (Thr232)/Aurora C (Thr198)
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	FITC
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 uL/million cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% NaN ₃ , 0.2% BSA)

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

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Flow cytometric analysis of HeLa cells with AURKA/AURKB/AURKC (phospho Thr288/232/198) monoclonal antibody, clone CC12 (FITC)(Cat # MAB23360). Unstained as negative control (blue) or untreated (red) or treated with nocodazole (green).

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]

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/

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 — MTA2

Entrez GeneID	9219
Protein Accession#	O14965; Q96GD4; Q9UQB9
Gene Name	MTA2
Gene Alias	DKFZp686F2281, MTA1L1, PID
Gene Description	metastasis associated 1 family, member 2
Omim ID	603947
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that has been identified as a component of NuRD, a nucleosome remodeling deacetylase complex identified in the nucleus of human cells. It shows a very broad expression pattern and is strongly expressed in many tissues. It may represent one member of a small gene family that encode different but related proteins involved either directly or indirectly in transcriptional regulation. Their indirect effects on transcriptional regulation may include chromatin remodeling. It is closely related to another member of this family, a protein that has been correlated with the metastatic potential of certain carcinomas. These two proteins are so closely related that they share the same types of domains. These domains include two DNA binding domains, a dimerization domain, and a domain commonly found in proteins that methylate DNA. One of the proteins known to be a target protein for this gene product is p53. Deacetylation of p53 is correlated with a loss of growth inhibition in transformed cells supporting a connection between these gene family members and metastasis. [provided by RefSeq]

Other Designations

metastasis -associated gene 1-like 1|metastasis associated gene family, member 2|metastasis-associated 1-like 1|metastasis-associated protein 2

Disease

- [Adenocarcinoma](#)
- [Body Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Chromosome Aberrations](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [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](#)