

# CoraLite®594-conjugated AURKA Monoclonal antibody

Catalog Number: **CL594-66757**

## Basic Information

**Catalog Number:**

CL594-66757

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG3

**Immunogen Catalog Number:**

AG20096

**GenBank Accession Number:**

BC002499

**GeneID (NCBI):**

6790

**UNIPROT ID:**

O14965

**Full Name:**

aurora kinase A

**Calculated MW:**

46 kDa

**Observed MW:**

46-52 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1F4B10

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

Human, Mouse, Rat

**Positive Controls:**

IF/ICC : HeLa cells,

## Background Information

AURKA(Aurora kinase A), also named as STK6, STK15 or AIK, belongs to the Ser/Thr protein kinase family. This protein may play a role in cell cycle regulation during anaphase and/or telophase by being involved in microtubule formation and/or stabilization. Some recent evidence revealed that AURKA may also be implicated in tumor development and progression. AURKA is expressed highly in testis and various proliferating cells, migrating as a 46 kDa protein in SDS PAGE. Nuclear staining for AURKA is weak or nonexistent in normal tissue but strong in tumor tissue(PMID:19107951).

## Storage

**Storage:**

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

