

---

**Product Name: Aurora A (2E3) Mouse Monoclonal Antibody****Catalog #: AMM03449**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ICC/IF
<b>Reactivity</b>	Human,Monkey
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC/IF 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 46 kDa; Observed MW: 46 kDa

**Antigen Information**

<b>Gene Name</b>	AURKA
<b>Alternative Names</b>	AIK; ARK1; AYK1; Aurora-A; Aurora-related kinase 1; BTAK; IAK1; Ipl1- and aurora-related kinase 1; STK15; STK6; Serine/threonine kinase 15
<b>Gene ID</b>	6790
<b>SwissProt ID</b>	O14965
<b>Immunogen</b>	A synthetic peptide of human Aurora A

**Background**

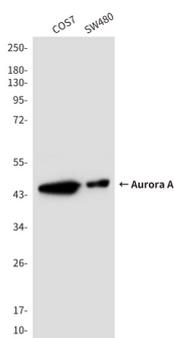
Mitotic serine/threonine kinases that contributes to the regulation of cell cycle progression. Associates with the centrosome

and the spindle microtubules during mitosis and plays a critical role in various mitotic events including the establishment of mitotic spindle, centrosome duplication, centrosome separation as well as maturation, chromosomal alignment, spindle assembly checkpoint, and cytokinesis.

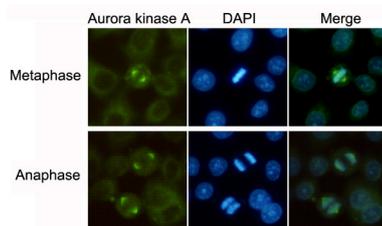
## Research Area

Cell Biology

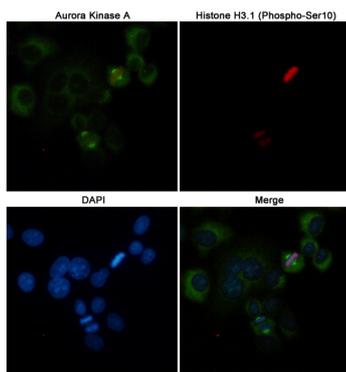
## Image Data



Western blot analysis of Aurora Kinase A in SW480 and COS7 lysates using Aurora Kinase A antibody.



Immunocytochemistry analysis of Aurora A (2E3) in HeLa using Aurora Kinase A antibody.



Immunofluorescence analysis of Aurora A (2E3) in HeLa cells using Aurora Kinase A antibody (green) and Histone H3.1 (Phospho-Ser10) antibody (red), and DAPI (blue)