

**SM2084P****Monoclonal Antibody to Aurora kinase A - Purified**

<b>Alternate names:</b>	AIK1, ARK1, AURA, AURKA, AURORA2, Aurora/IPL1-related kinase 1, BTAK, Breast tumor-amplified kinase, STK15, STK6, Serine/threonine kinase 15, Serine/threonine-protein kinase 6
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	Aurora-A kinase is a 46kDa serine/threonine kinase involved in mitotic spindle assembly. Aurora-A is reported to be overexpressed in many epithelial cancers and is thought to play an important role in tumourigenesis.
<b>Uniprot ID:</b>	<a href="#">O14965</a>
<b>NCBI:</b>	<a href="#">NP_003591.2</a>
<b>GeneID:</b>	<a href="#">6790</a>
<b>Host / Isotype:</b>	Mouse / IgG2b
<b>Recommended Isotype Controls:</b>	SM12P, AM03110PU-N
<b>Clone:</b>	35C1
<b>Immunogen:</b>	Recombinant Aurora-A. Spleen cells from immunised Balb/c were fused with cells of the SP2/0-Ag14 mouse myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid purified IgG <b>Purification:</b> Affinity chromatography on Protein G <b>Buffer System:</b> PBS, pH7.4 containing 0.09% Sodium Azide
<b>Applications:</b>	Immunoprecipitation. Western Blot: 1/500 - 1/1000; this antibody detects a band of approximately 46kDa in human HeLa and mouse M-ICc12 cell lysates. Immunofluorescence. Recommended Positive Control: Human 293 and mouse LLC1 cell lines. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises Aurora-A kinase. Clone 35C1 specifically recognises an epitope within the non-catalytic N-terminal domain of Aurora-A. Clone 35C1 does not inhibit Aurora-A kinase activity. <b>Species:</b> Human, Mouse. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**General Readings:**

1. Cremet JY, Descamps S, V rite F, Martin A, Prigent C. Preparation and characterization of a human aurora-A kinase monoclonal antibody. *Mol Cell Biochem.* 2003 Jan;243(1-2):123-31. PubMed PMID: 12619897.