



# Anti-AURKA monoclonal antibody, clone 35C1 [Biotin] (CABT-53848MA)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Mouse anti Human Aurora -A kinase monoclonal antibody, clone 35C1 recognizes human Aurora-A kinase also known as Aurora 2, breast tumor-amplified kinase and serine/threonine-protein kinase 6 or 15. Aurora kinase A is member of the Ser/Thr protein kinase family containing a single protein kinase domain, has a molecular weight of ~46kDa and is involved in mitotic spindle assembly. Aurora-A kinase is reported to be overexpressed in many epithelial cancers and is thought to play an important role in tumorigenesis. Aurora A kinase appears to facilitate phosphorylation of centrin and co-localizes with it at centrosomes with maximum expression through prophase to late metaphase. Mouse anti human Aurora-A kinase, clone 35C1 specifically recognizes an epitope within the non-catalytic N-terminal domain of Aurora-A. Clone 35C1 does not inhibit Aurora-A kinase activity.

<b>Specificity</b>	AURKA
<b>Immunogen</b>	Recombinant Aurora-A
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Mouse
<b>Clone</b>	35C1
<b>Conjugate</b>	Biotin
<b>Applications</b>	IF; WB
<b>Format</b>	Purified IgG conjugated to Biotin - liquid
<b>Size</b>	100 µg

<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">AURKA aurora kinase A [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	AURKA
<b>Synonyms</b>	AURKA; aurora kinase A; AIK; ARK1; AURA; BTAK; STK6; STK7; STK15; AURORA2; PPP1R47; ARK-1; hARK1; aurora 2; Aurora-A kinase; IPL1-related kinase; aurora-related kinase 1; aurora/IPL1-like kinase; serine/threonine kinase 6; aurora/IPL1-related kinase 1; br
<b>Entrez Gene ID</b>	<a href="#">6790</a>
<b>Protein Refseq</b>	<a href="#">NP_003591</a>
<b>UniProt ID</b>	O14965
<b>Chromosome Location</b>	20q13
<b>Pathway</b>	APC/C-mediated degradation of cell cycle proteins; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted proteins in late mitosis/early G1; Aurora A signaling; Aurora B signaling; Cell Cycle; Cell Cycle, Mitotic; G2/M Transition; Gastric cancer network 1;
<b>Function</b>	ATP binding; histone serine kinase activity; protein binding; protein kinase activity; protein kinase binding; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity; ubiquitin protein ligase binding;