

Datasheet: MCA6320

**BATCH NUMBER 155790**

<b>Description:</b>	RABBIT ANTI AURORA-B KINASE
<b>Specificity:</b>	AURORA-B KINASE
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM278
<b>Isotype:</b>	IgG
<b>Quantity:</b>	0.1 ml

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/200 - 1/500
Western Blotting	▪			1/1000 - 1/2000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography of Protein A from animal origin-free culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	A peptide corresponding to the N-terminus of Human aurora-B kinase
<b>External Database</b>	<b>UniProt:</b>

**Links**[Q96GD4](#) [Related reagents](#)**Entrez Gene:**[9212](#) AURKB [Related reagents](#)**Synonyms**

AIK2, AIM1, ARK2, STK12

**Specificity**

**Rabbit anti Human aurora-B kinase antibody** recognizes aurora kinase B (AURKB), also known as AIK2, AIM1, STK1. The Aurora kinases are serine/threonine kinases that regulate chromosomal alignment and segregation during mitosis and meiosis. Aurora B kinase interacts with INCENP and Survivin, and is involved with control of cytokinesis and chromosome bi-orientation during mitosis ([Shannon and Salmon 2002](#)). Accordingly, abundance of Aurora B kinase is regulated by the cell cycle and localizes to the centromeres from the prophase to metaphase-anaphase transition (Yu et al. 2017). The tumor suppressor p53, known as the "guardian" of the cell cycle, can be phosphorylated and degraded by Aurora B kinase ([Gully et al. 2012](#)). Aurora B is overexpressed in many primary tumors, may contribute to cancer pathogenesis through tetraploidy and genetic instability ([Goldenson and Crispino 2015](#)), and has been linked to poor prognosis. Aurora B kinase inhibitors have been suggested as anti-cancer treatments ([Yu et al. 2017](#)).

**Storage**

Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use

**Guarantee**

12 months from date of despatch

**Health And Safety Information**

Material Safety Datasheet documentation #10048 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6320>  
10048

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)Sheep Anti Rabbit IgG (STAR35...) [RPE](#)Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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