

Datasheet: MCA6320

Description:	RABBIT ANTI AURORA-B KINASE
Specificity:	AURORA-B KINASE
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM278
Isotype:	IgG
Quantity:	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.

	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.

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

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 (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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

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