

Datasheet: VPA00485

**BATCH NUMBER 160712**

<b>Description:</b>	RABBIT ANTI AURORA-B KINASE
<b>Specificity:</b>	AURORA-B KINASE
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## 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
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid.

### Preparation

Rabbit Ig fraction prepared by ammonium sulphate precipitation.

### Buffer Solution

Phosphate buffered saline.

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>).

**Immunogen** KLH conjugated synthetic peptide corresponding to amino acid 283-313 of human aurora-B kinase

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**External Database Links**

**UniProt:**

[Q96GD4](#) [Related reagents](#)

**Entrez Gene:**

[9212](#) AURKB [Related reagents](#)

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**Synonyms** AIK2, AIM1, ARK2, STK12

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**Specificity** **Rabbit anti Human aurora-B kinase antibody** recognizes aurora B-kinase, also known as ARK-2, STK-1, aurora 1, aurora kinase B-Sv1, aurora kinase B-Sv2, aurora- and Ipl1-like midbody-associated protein 1, aurora-related kinase 2, aurora/IPL1-related kinase 2, serine/threonine-protein kinase 12 or serine/threonine-protein kinase B.

Encoded by the AURKB gene, aurora-B kinase is a member of the aurora kinase subfamily of serine/threonine kinases. The genes encoding the other two members of this subfamily are located on chromosomes 19 and 20. These kinases participate in the regulation of segregation of chromosomes during mitosis and meiosis through association with microtubules. A pseudogene of AURKB is located on chromosome 8. Multiple transcript variants encoding different isoforms have been found for AURKB (provided by RefSeq, Jan 2013).

Rabbit anti Human aurora-B kinase antibody detects a band of 48 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting** Anti aurora-B kinase detects a band of approximately 48 kDa in HEK293 cell lysates.

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**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee** 12 months from date of despatch

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**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VPA00485>  
Antibody (10040)

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**Regulatory** For research purposes only.

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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

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