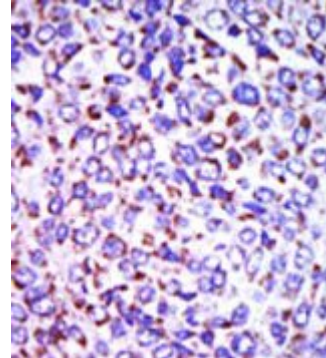


Polyclonal Antibody to Aurora kinase B (N-term) - Purified

Alternate names:	AIK2, AIM1, ARK2, AURKB, Aurora- and Ipl1-like midbody-associated protein 1, Aurora-B, Aurora/IPL1-related kinase 2, STK-1, STK12, Serine/threonine-protein kinase 12
Catalog No.:	AP13522PU-N
Quantity:	0.4 ml
Concentration:	lot specific
Background:	Chromosomal segregation during mitosis as well as meiosis is regulated by kinases and phosphatases. The Aurora kinases associate with microtubules during chromosome movement and segregation. Aurora kinase B localizes to microtubules near kinetochores, specifically to the specialized microtubules called K-fibers, and Aurora kinase A localizes to centrosomes.
Uniprot ID:	Q96GD4
NCBI:	9606
GeneID:	9212
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 1~30 amino acids from the N-terminal region of Human Aurora-B. Gene name: AURKB
Format:	State: Liquid purified Ig fraction. Purification: Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS Buffer System: PBS with 0.09% (W/V) Sodium Azide as preservative.
Applications:	ELISA: 1/1,000. Western blotting: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/50-1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to Aurora-B (ARK/STK12). Species: Human. Other species not tested.
Add. Information:	Calculated Molecular Weight: 39280 Da
Storage:	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.
Caution:	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

- General Readings:**
1. Kimura, M., et al., Biochem. Biophys. Res. Commun. 316(3):930-936 (2004).
 2. Yasui, Y., et al., J. Biol. Chem. 279(13):12997-13003 (2004).
 3. Lampson, M.A., et al., Nat. Cell Biol. 6(3):232-237 (2004).
 4. Wheatley, S.P., et al., J. Biol. Chem. 279(7):5655-5660 (2004).
 5. Honda, R., et al., Mol. Biol. Cell 14(8):3325-3341 (2003).

Pictures: AP13522PU-N Aurora-B antibody staining of Formalin-Fixed, Paraffin-Embedded Human cancer tissue. This antibody was peroxidase-conjugated to the secondary antibody, followed by AEC staining.



Western blot analysis using AP13522PU-N Aurora-B antibody in CEM cell lysate. Aurora-B (Arrow) was detected using purified antibody. Secondary HRP-anti-Rabbit was used for signal visualization with chemiluminescence.

