Datasheet for ABIN965626

anti-Aurora Kinase B antibody

2 Publications

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Overview

Quantity:	0.1 mL
Target:	Aurora Kinase B (AURKB)
Reactivity:	Human
Host:	Please inquire
Clonality:	Monoclonal
Conjugate:	This Aurora Kinase B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Isotype:	IgG1
Specificity:	Ni-NTA purified truncated recombinant AURKB expressed in E. Coli strain BL21 (DE3)
Purification:	Crude ascites.

Target Details

Target:	Aurora Kinase B (AURKB)
Alternative Name:	AURKB (AURKB Products)
Background:	AURKB (aurora kinase B, AIK2 or aurora-B), with 344amino acid protein(about 39kDa),localizes to microtubules near kinetochores, specifically to the specialized microtubules called K-fibers. AURKB is a mitotic protein kinase, which phosphorylates histone H3 and regulates Chromosomal segregation during mitosis and meiosis. It may regulates several stages of mitosis such as centrosome separation, chromosome segregation and cytokinesis.Component

Target Details

	of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. ARK-2 transcripts arepresent at high levels in human thymus and fetal liver.ARK-2 protein levels are maximal during both S and G2/M phases
Gene ID:	9212
Pathways:	TCR Signaling, Cell Division Cycle, Maintenance of Protein Location, Hepatitis C, Toll-Like Receptors Cascades

Application Details

Application Notes:	Western Blot: 1: 500- 1: 2,000 ELISA: Propose dilution 1: 10,000. Determining optimal working dilutions by titration test.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Storage:	-20 °C

Publications

Product cited in:	Song, So, Cheng, Tang, Croft: "Sustained survivin expression from OX40 costimulatory signals drives T cell clonal expansion." in: **Immunity**, Vol. 22, Issue 5, pp. 621-31, (2005) (PubMed). Kapoor, Lavoie, Frappier: "EBP2 plays a key role in Epstein-Barr virus mitotic segregation and is regulated by aurora family kinases." in: **Molecular and cellular biology**, Vol. 25, Issue 12, pp. 4934-45, (2005) (PubMed).