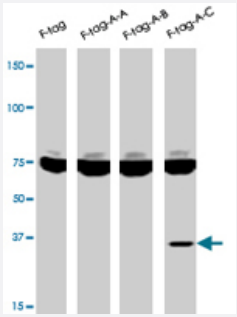
AURKC polyclonal antibody

Catalog # PAB4512 Size 400 uL

Applications



Western Blot (Cell lysate)

The AURKC polyclonal antibody (Cat # PAB4512) is used in Western blot to detect AURKC in lysates of 293 cells expressing Flag tag (lane 1) , Flag-tagged AURKA (lane 2) , Flag-tagged AURKB (lane 3) , and Flag-tagged AURKC (lane 4) . Data is kindly provided by Drs . K . Sasai and S . Sen from the University of Texas MD Anderson Cancer Center (Houston, TX) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AURKC.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human AURKC.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  The AURKC polyclonal antibody (Cat # PAB4512) is used in Western blot to detect AURKC in lysates of 293 cells expressing Flag tag (lane 1) , Flag-tagged AURKA (lane 2) , Flag-tagged AURKB (lane 3) , and Flag-tagged AURKC (lane 4) . Data is kindly provided by Drs . K . Sasai and S . Sen from the University of Texas MD Anderson Cancer Center (Houston, TX) .

Gene Info — AURKC

Entrez GeneID	6795
Protein Accession#	Q9UQB9
Gene Name	AURKC
Gene Alias	AIE2, AIK3, AurC, STK13, aurora-C
Gene Description	aurora kinase C
Omim ID	243060 603495
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the Aurora subfamily of serine/threonine protein kinases. The en coded protein is a chromosomal passenger protein that forms complexes with Aurora-B and inner centromere proteins and may play a role in organizing microtubules in relation to centrosome/spin dle function during mitosis. This gene is overexpressed in several cancer cell lines, suggesting an involvement in oncogenic signal transduction. Alternative splicing results in multiple transcript vari ants. [provided by RefSeq
Other Designations	aurora/IPL1-related kinase 3|aurora/IPL1/EG2 protein 2|serine/threonine kinase 13 (aurora/IPL1-li ke)

Publication Reference

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- Cell cycle-dependent expression and centrosome localization of a third human aurora/Ipl1-related protein kinase, AIK3.

  Kimura M, Matsuda Y, Yoshioka T, Okano Y.

  The Journal of Biological Chemistry 1999 Mar; 274(11):7334.

  Application: IF, WB, Human, HBL100, HeLa, HepG2, HL-60, Huh7, MDA-MB-453, NB1RGB, NB69, Raji, SK-N-SH, WI38 cells

- Cloning of STK13, a third human protein kinase related to Drosophila aurora and budding yeast Ipl1 that maps on chromosome 19q13.3-ter.

  Bernard M, Sanseau P, Henry C, Couturier A, Prigent C.

  Genomics 1998 Nov; 53(3):406.

- Protein kinase profile of sperm and eggs: cloning and characterization of two novel testis-specific protein kinases (AIE1, AIE2) related to yeast and fly chromosome segregation regulators.

  Tseng TC, Chen SH, Hsu YP, Tang TK.

  DNA and Cell Biology 1998 Oct; 17(10):823.

Disease

- Infertility

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