

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

Alternate names:	AIE2, AIK3, AURKC, Aurora-C, Aurora/Ipl1-related kinase 3, Aurora/Ipl1/Eg2 protein 2, STK13, Serine/threonine-protein kinase 13
Catalog No.:	AP13519PU-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, members of the Ser/Thr protein kinase family, associate with microtubules during chromosome movement and segregation. Aurora kinase C may play a part in organizing microtubules in relation to the function of the centrosome/spindle pole during mitosis. This protein is localized to centrosome from anaphase to cytokinesis. Expression is limited to testis in normal cells. Elevated expression levels are seen only in a subset of cancer cells such as HepG2, HuH7 and HeLa cells. Aurora-C expression is maximum at M phase.
Uniprot ID:	Q9UQB9
NCBI:	9606
GeneID:	6795
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of Human Aurora-C. Gene name: AURKC
Format:	State: Liquid purified Ig fraction Purification: Saturated Ammonium Sulfate (SAS) precipitation 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. Immunofluorescence: 1/100-1/500. Not Suitable for Immunoprecipitation. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Aurora-C.
Species Reactivity:	Tested: Human.
Add. Information:	Calculated Molecular Weight: 35591 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., J. Biol. Chem. 274(11):7334-7340 (1999).
2. Tseng, T.C., et al., DNA Cell Biol. 17(10):823-833 (1998).
3. Bernard, M., et al., Genomics 53(3):406-409 (1998).

Pictures: The anti-Aurora C Pab (Cat. #TA324889) is used in WB to detect Aurora C in lysates of 293 cells expressing Flag tag (lane 1), Flag-tagged Aurora A (lane 2), Flag-tagged Aurora B (lane 3) or Flag-tagged Aurora C (lane 4). In the IF, staining of HeLa cells expressing GFP-Aurora C is performed at different cellular mitotic stages with the anti-Aurora C Pab (column A), GFP fluorescence (column B), DAPI nuclear staining (column C), and anti-Aurora C merged to DAPI staining (column D).

