

Datasheet for ABIN359035

anti-Aurora Kinase C antibody (N-Term)[Go to Product page](#)**2** Images

Overview

Quantity:	0.4 mL
Target:	Aurora Kinase C (AURKC)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aurora Kinase C antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide selected from the N-terminal region of Human Aurora-C. Genename: AURKC
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Aurora-C.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

Target Details

Target:	Aurora Kinase C (AURKC)
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Target Details

Alternative Name:	Aurora Kinase C (AURKC Products)
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.Synonyms: AIE2, AIK3, AURKC, Aurora-C, Aurora/lpl1-related kinase 3, Aurora/lpl1/Eg2 protein 2, STK13, Serine/threonine-protein kinase 13
Molecular Weight:	35591 Da
Gene ID:	6795, 9606
UniProt:	Q9UQB9
Pathways:	Cell Division Cycle , Maintenance of Protein Location

Application Details

Application Notes:	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.
Restrictions:	For Research Use only

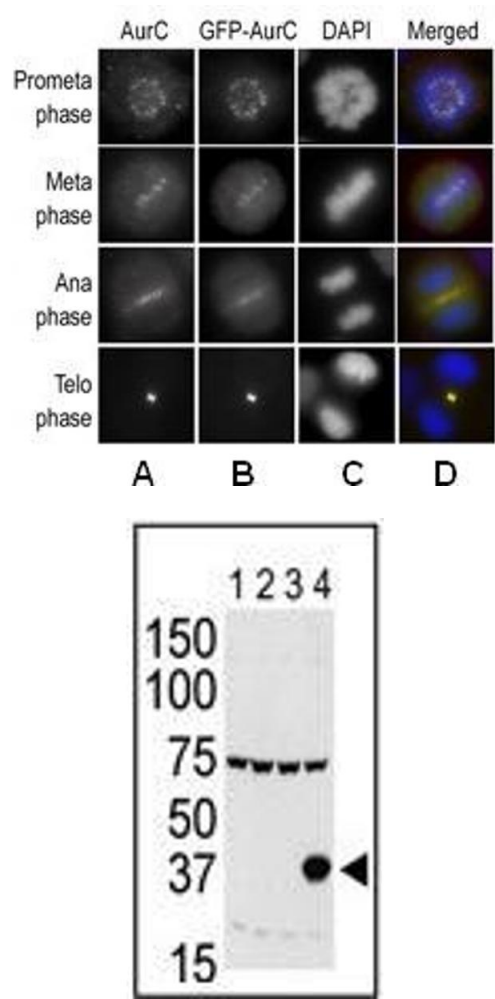
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C

Handling

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.

Images



Immunofluorescence

Image 1. Immunofluorescence: Aurora C antibody staining of HeLa cells, expressing GFP-Aurora C, at different cellular mitotic stages as primary antibody (A), GFP Fluorescence (B), DAPI nuclear staining (C), and AP13519PU-N merged to DAPI staining (D). *Data is kindly provided by Drs. K. Sasai and S. Sen from the University of Texas MD Anderson Cancer Center (Houston, TX).*

Western Blotting

Image 2. Western blot: Aurora C antibody staining of 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).