

Datasheet for ABIN390977

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

Overview

Quantity:	400 µL
Target:	Aurora Kinase C (AURKC)
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Aurora-C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human Aurora-C.
Clone:	RB6505
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Aurora Kinase C (AURKC)
Alternative Name:	Aurora-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

Target Details

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.

Molecular Weight: 35591

Gene ID: 6795

NCBI Accession: [NP_001015878](#), [NP_001015879](#), [NP_003151](#)

UniProt: [Q9UQB9](#)

Pathways: [Cell Division Cycle](#), [Maintenance of Protein Location](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

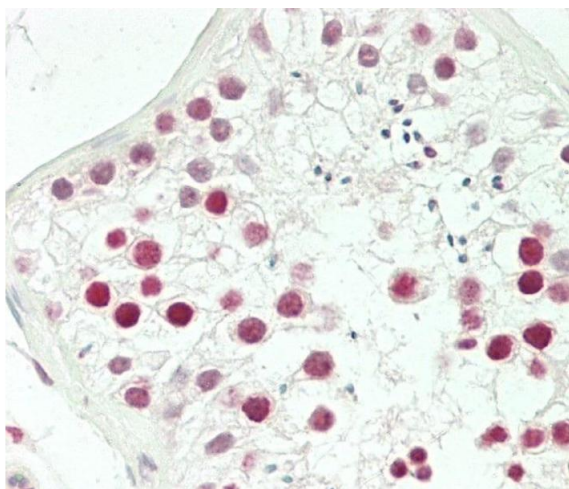
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

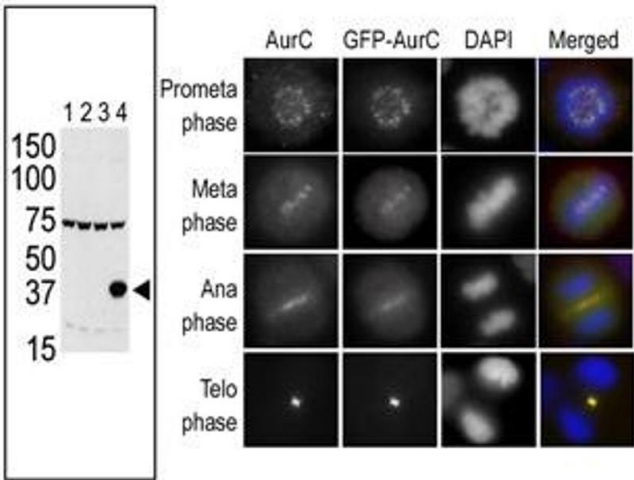
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded H.testis tissue reacted with Aurora-C Antibody (N-term M1) (ABIN390977 and ABIN2841163).



Western Blotting

Image 2. The anti-Aurora C Pab (ABIN390977 and ABIN2841163) is used in Western blot 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 immunofluorescence experiment, staining of HeLa cells expressing GFP-Aurora C is performed at different cellular mitotic stages with the anti-Aurora C Pab as primary antibody (column A), GFP fluorescence (column B), DI nuclear staining (column C), and anti-Aurora C merged to DI staining (column D). Data is kindly provided by Drs. K. Sasai and S. Sen from the University of Texas MD Anderson Cancer Center (Houston, TX).