

Datasheet for ABIN390979

anti-Aurora Kinase C antibody (AA 115-145)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	Aurora Kinase C (AURKC)
Binding Specificity:	AA 115-145
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aurora Kinase C antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Aurora-C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 115-145 amino acids from the Central region of human Aurora-C.
Clone:	RB6822
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Target Details

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.

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. WB: 1:1000

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

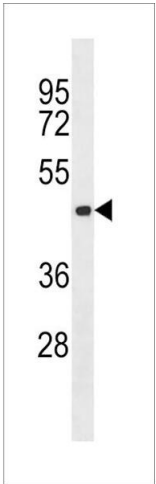
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Publications

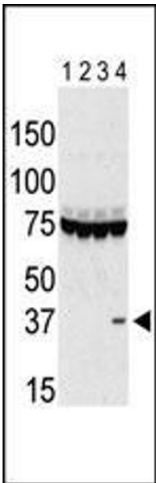
Product cited in: Burum-Auensen, Skotheim, Schjølberg, Røislien, Lothe, Clausen: "Spindle proteins are differentially expressed in the various histological subtypes of testicular germ cell tumors." in:

Images



Western Blotting

Image 1. Aurora-C Antibody (Ctr) g western blot analysis in 293 cell line lysates (35 µg/lane). This demonstrates the Aurora-C antibody detected the Aurora-C protein (arrow).



Western Blotting

Image 2. The anti-Aurora C Pab g 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), and Flag-tagged Aurora C (lane 4). Data is kindly provided by Drs. K. Sasai and S. Sen from the University of Texas MD Anderson Cancer Center (Houston, TX).