Datasheet for ABIN3030081

anti-Aurora Kinase C antibody (AA 1-30)

3 Images

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Overview

Quantity:	0.4 mL
Target:	Aurora Kinase C (AURKC)
Binding Specificity:	AA 1-30
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aurora Kinase C antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 1-30 from the human protein was used as the immunogen for this Aurora-C antibody.
Isotype:	Ig Fraction
Purification:	Purified

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 with microtubules during chromosome movement and segregation. Aurora kinase C may play a

Target Details

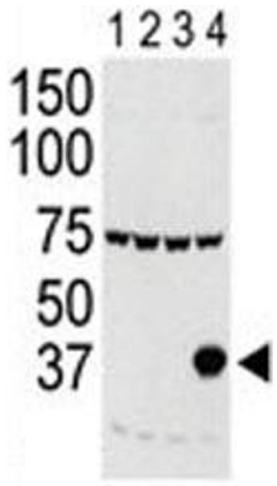
	part in organizing microtubules in relation to the function of the centrosome/spindle pole during mitosis. This protein is localized to centrosome from anaphase to cytokinesis. Expression is limited to testis in normal cells. Elevated expression levels are seen only in a subset of cancer cells such as HepG2, HuH7 and HeLa cells. Aurora-C expression is maximum at M phase.
UniProt:	Q9UQB9
Pathways:	Cell Division Cycle, Maintenance of Protein Location

Application Details

Application Notes:	Titration of the Aurora-C antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

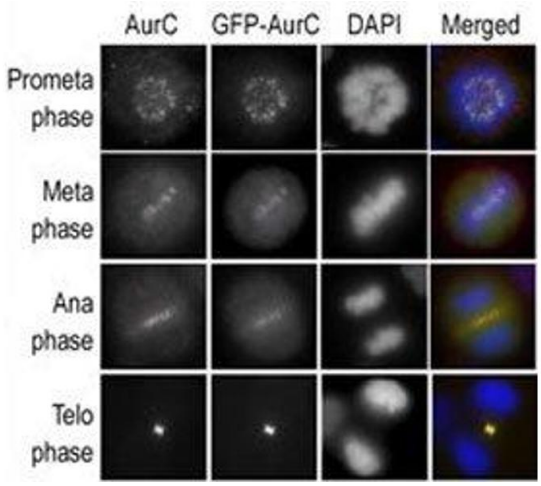
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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:	-20 °C
Storage Comment:	Aliquot the Aurora-C antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



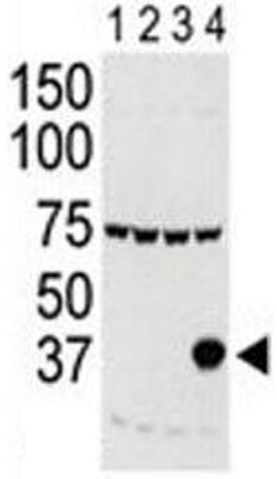
Western Blotting

Image 1. Western blot testing of Aurora-C antibody and lysate of 293 cells expressing 1) Flag tag, 2) Flag-tagged -A, 3) -B and 4) Aurora-C.



Immunofluorescence

Image 2. Immunofluorescence staining of HeLa cells expressing GFP-Aurora-C is performed at different cellular mitotic stages with A) Aurora-C antibody, B) GFP fluorescence, C) DAPI nuclear staining, and D) anti-Aurora-C merged to DAPI staining.



Western Blotting

Image 3. Western blot testing of Aurora-C antibody and lysate of 293 cells expressing 1) Flag tag, 2) Flag-tagged -A, 3) -B and 4) Aurora-C.

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