

Datasheet for ABIN2785453

anti-Aurora Kinase C antibody (Middle Region)[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	100 µL
Target:	Aurora Kinase C (AURKC)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio), Cow, Dog, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aurora Kinase C antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human AURKC
Sequence:	TYDEKVDLWC IGVL CYELLV GYPFESASH SETYRRILKV DVRFP L SMPL
Predicted Reactivity:	Cow: 93%, Dog: 93%, Goat: 79%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against AURKC. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Aurora Kinase C (AURKC)
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Target Details

Alternative Name:	AURKC (AURKC Products)
Background:	AURKC may play a part in organizing microtubules in relation to the function of the centrosome/spindle pole during mitosis. This gene encodes a member of the Aurora subfamily of serine/threonine protein kinases. The encoded protein is a chromosomal passenger protein that forms complexes with Aurora-B and inner centromere proteins and may play a role in organizing microtubules in relation to centrosome/spindle function during mitosis. This gene is overexpressed in several cancer cell lines, suggesting an involvement in oncogenic signal transduction. Alternative splicing results in multiple transcript variants. Alias Symbols: AIE2, AIK3, AurC, STK13, aurora-C, ARK3, SPGF5 Protein Interaction Partner: SRPK1, AURKB, HIST1H3A, INCENP, BIRC5, TACC2, UBC, HSP90AA1, BRCA1, LNX1, NEDD4L, NEDD4, CENPA, Protein Size: 309
Molecular Weight:	34 kDa
Gene ID:	6795
NCBI Accession:	NM_001015878 , NP_001015878
UniProt:	Q9UQB9
Pathways:	Cell Division Cycle , Maintenance of Protein Location

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 309 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

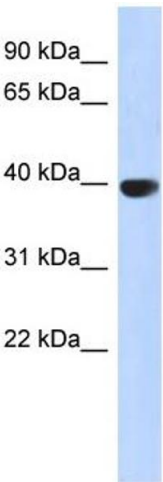
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Lee, Lim, Park, Lee, Han, Kim, Cheang, Lee, Lee, Ko, Jang, Kim, Miniaci, Bartsch, Kim, Bailey, Kandel, Kaang: "Nuclear translocation of CAM-associated protein activates transcription for long-term facilitation in Aplysia." in: Cell , Vol. 129, Issue 4, pp. 801-12, (2007) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-AURKC Antibody Titration:
0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Human Pancreas