

Rabbit anti-Human Aurora-C Polyclonal Antibody | anti-AURKC antibody

Aurora-C Antibody (N-term)

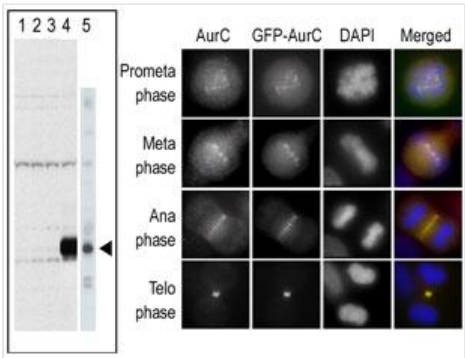
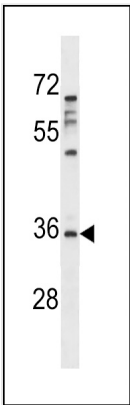
CATALOG # AAA285713	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

Aurora-C; Polyclonal Antibody; Aurora-C Antibody (N-term); Aurora kinase C; Aurora 3; Aurora/IPL1-related kinase 3; ARK-3; Aurora-related kinase 3; Aurora/IPL1/Eg2 protein 2; Serine/threonine-protein kinase 13; Serine/threonine-protein kinase aurora-C; AURKC; AIE2; AIK3; AIRK3; ARK3; STK13; anti-AURKC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Aurora-C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 3-38 amino acids from the N-terminal region of human Aurora-C.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	3-38
Sequence Length	309
Applicable Applications for anti-AURKC antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
The anti-Aurora C Pab is used in Western blot to detect Aurora C in lysates of 293 cells expressing DYKDDDDK tag (lane 1), DYKDDDDK-tagged Aurora A (lane 2), DYKDDDDK-tagged Aurora B (lane 3), DYKDDDDK-tagged Aurora C (lane 4), and in A375 cell lysate. 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), DAPI nuclear staining (column C), and anti-Aurora C merged to DAPI staining (column D). Data with Flagged Aurora is kindly provided by Drs. K. Sasai and S. Sen from the University of Texas MD Anderson Cancer Center (Houston, TX).

ADDITIONAL INFORMATION

Related Product Information for anti-AURKC antibody	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.
Product Categories/Family for anti-AURKC antibody	Cell Biology
References	Kimura, M., et al., J. Biol. Chem. 274(11):7334-7340 (1999). Tseng, T.C., et al., DNA Cell Biol. 17(10):823-833 (1998). Bernard, M., et al., Genomics 53(3):406-409 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	62865639
NCBI GeneID	6795
NCBI Accession #	NP_001015878.1; NP_001015879.1; NP_003151.2
NCBI GenBank Nucleotide #	NM_001015878.1
UniProt Accession #	Q9UQB9; O60681; O75442; Q6AZY8; Q6DLZ0; Q9UPK5
Molecular Weight	35591
NCBI Official Full Name	aurora kinase C isoform 1
NCBI Official Synonym Full Names	aurora kinase C
NCBI Official Symbol	AURKC
NCBI Official Synonym Symbols	AIE2; AIK3; ARK3; AurC; SPGF5; STK13; HEL-S-90; aurora-C
NCBI Protein Information	aurora kinase C
UniProt Protein Name	Aurora kinase C

UniProt Gene Name	AURKC
UniProt Synonym Gene Names	AIE2; AIK3; AIRK3; ARK3; STK13; ARK-3; Aurora-related kinase 3
UniProt Entry Name	AURKC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/aurora-c-antibody-western-blot-elisa/285713>