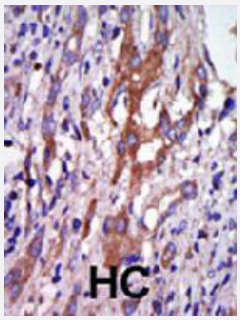
AURKA polyclonal antibody

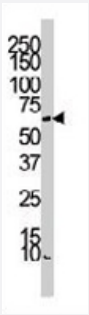
Catalog # PAB3530 Size 400 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with AURKA polyclonal antibody (Cat # PAB3530) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated. HC = hepatocarcinoma.



Western Blot (Cell lysate)

Western blot analysis of AURKA polyclonal antibody (Cat # PAB3530) in A-375 cell lysate. AIK (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AURKA.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human AURKA.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

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Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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Gene Info — AURKA

Entrez GeneID	6790
Protein Accession#	BAA23592
Gene Name	AURKA
Gene Alias	AIK, ARK1, AURA, AURORA2, BTAK, MGC34538, STK15, STK6, STK7
Gene Description	aurora kinase A
Omim ID	114500 603072
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cell cycle-regulated kinase that appears to be involved in m icrotubule formation and/or stabilization at the spindle pole during chromosome segregation. The encoded protein is found at the centrosome in interphase cells and at the spindle poles in mitosis. This gene may play a role in tumor development and progression. A processed pseudogene of thi s gene has been found on chromosome 1, and an unprocessed pseudogene has been found on c hromosome 10. Multiple transcript variants encoding the same protein have been found for this ge ne. [provided by RefSeq

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Other Designations	IPL1-related kinase|OTTHUMP00000031340|OTTHUMP00000031342|OTTHUMP00000031343|OTTHUMP00000031344|OTTHUMP00000031345|OTTHUMP00000166071|aurora-A|aurora-related kinase 1|aurora/IPL1-like kinase|breast-tumor-amplified kinase|serine/threonine kinase 15|serine/

Publication Reference

- TPX2 expression is associated with cell proliferation and patient outcome in esophageal squamous cell carcinoma.

  Hsu PK, Chen HY, Yeh YC, Yen CC, Wu YC, Hsu CP, Hsu WH, Chou TY.

  Journal of Gastroenterology 2014 Aug; 49(8):1231.

  Application: IHC, Human, Human esophageal squamous cell carcinoma (ESCC)

- Cell cycle-dependent expression and spindle pole localization of a novel human protein kinase, Aik, related to Aurora of Drosophila and yeast Ipl1.

  Kimura M, Kotani S, Hattori T, Sumi N, Yoshioka T, Todokoro K, Okano Y.

  The Journal of Biological Chemistry 1997 May; 272(21):13766.

  Application: IF, WB, Human, 1G8, CMK, HeLa, HL60, NB69, Raji cells

Disease

- Adenocarcinoma
- Body Weight
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Chromosome Aberrations
- Colonic Neoplasms
- Colorectal Neoplasms
- Disease Progression
- Esophageal Neoplasms
- Genetic Predisposition to Disease

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- Genomic Instability
- Head and Neck Neoplasms
- Kidney Neoplasms
- Liver Neoplasms
- Lung Neoplasms
- Mouth Neoplasms
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Precancerous Conditions
- Prostate cancer
- Prostatic Neoplasms
- Pulmonary Disease
- Skin Neoplasms
- Stomach Neoplasms
- Thyroid Neoplasms
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Neoplasms
- Werner syndrome

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