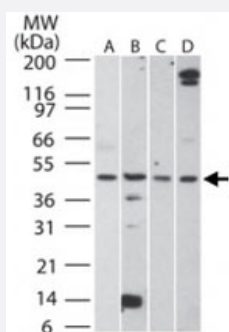


AURKA polyclonal antibody

Catalog # PAB0359 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of AURKA in A) HCT-116, B) human testis, C) mouse testis, and D) rat testis lysate. Using AURKA polyclonal antibody (Cat # PAB0359) at 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AURKA.
Immunogen	A synthetic peptide corresponding to amino acids 100-150 of human AURKA.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% BSA, 0.05% 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 should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of AURKA in A) HCT-116, B) human testis, C) mouse testis, and D) rat testis lysate. Using AURKA polyclonal antibody (Cat # PAB0359) at 2 ug/mL .

Gene Info — AURKA

Entrez GeneID	6790
Protein Accession#	AAC12708
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 microtubule 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 this gene has been found on chromosome 1, and an unprocessed pseudogene has been found on chromosome 10. Multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]
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

- [The Phosphorylation Status of Drp1-Ser637 by PKA in Mitochondrial Fission Modulates Mitophagy via PINK1/Parkin to Exert Multipolar Spindles Assembly during Mitosis.](#)

Huey-Jiun Ko, Cheng-Yu Tsai, Shean-Jaw Chiou, Yun-Ling Lai, Chi-Huei Wang, Jiin-Tsuey Cheng, Tsung-Hsien Chuang, Chi-Ying F Huang, Aij-Lie Kwan, Joon-Khim Loh, Yi-Ren Hong.

Biomolecules 2021 Mar; 11(3):424.

- [The impact of vitrification on murine germinal vesicle oocyte In vitro maturation and aurora kinase A protein expression.](#)

Doyle JO, Lee HJ, Selesniemi K, Styer AK, Rueda BR.

Journal of Assisted Reproduction and Genetics 2014 Dec; 31(12):1695.

Application: WB, Mouse, Oocytes

Disease

- [Adenocarcinoma](#)
- [Body Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Chromosome Aberrations](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [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](#)
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- [Precancerous Conditions](#)
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- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Neoplasms](#)
- [Werner syndrome](#)