Product Name: **KD-Validated Aurora Kinase A Recombinant Rabbit Monoclonal Antibody**
Catalog #: **KVAb01939**
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 45.8kDa

Antigen Information

Gene Name	AURKA
Alternative Names	AURKA; Aurora Kinase A; BTAK; ARK1; AIK; PPP1R47; STK15; AurA; STK7; STK6; Protein Phosphatase 1, Regulatory Subunit 47; Serine/Threonine-Protein Kinase Aurora-A; Serine/Threonine-Protein Kinase 6; Breast Tumor-Amplified Kinase; Aurora/IPL1-Related Kinase 1; Aurora 2; Serine/Threonine-Protein Kinase Ayk1; Serine/Threonine Protein Kinase 15; Serine/Threonine-Protein Kinase 15; Ipl1- And Aurora-Related Kinase 1; Serine/Threonine Kinase 15; Serine/Threonine Kinase 6; Aurora/IPL1-Like Kinase; Aurora-Related Kinase 1; Aurora-A Kinase; EC 2.7.11.1; AIRK1; ARK-1; AURA; AYK1; IAK1
Gene ID	6790.0
SwissProt ID	O14965
Immunogen	A synthesized peptide derived from human Aurora kinase A

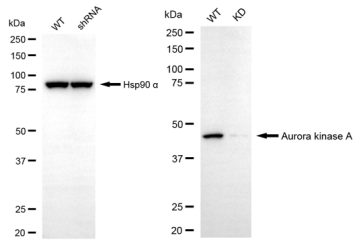
Background

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, Jul 2008]

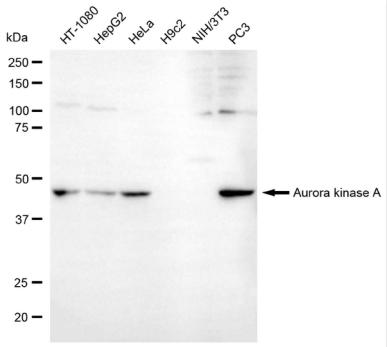
Research Area

Cell Biology,Signal Transduction,Cancer

Image Data



Western blotting analysis using aurora kinase A antibody (KVAb01939). Aurora kinase A expression in wild-type (WT) and aurora kinase A (AURKA) knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with aurora kinase A antibody (KVAb01939, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using aurora kinase A antibody (KVAb01939). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with aurora kinase A antibody (KVAb01939, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.