

## AURKA

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**46kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human AURKA

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

df

**Synonym:**

AIK; ARK1; AURA; AURORA2; BTAK; MGC34538; STK15; STK6; STK7;

**Catalog #:**A2121

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**6790

**Isotype:**IgG

**Swiss Prot:**O14965

**Purity:**Affinity purification

For research use only.

**Background:**

Aurora A (AIK) is a cell cycle-regulated Ser/Thr protein kinase that is overexpressed in many tumor cell lines (1-3). Phosphorylation of Aurora A at Thr288 within the kinase activation loop results in a significant increase in its activity and may target the protein for proteasomal degradation during mitosis (4). The closely-related kinase Aurora B (AIM1) has been implicated in multiple mitotic events (5), and siRNA silencing of Aurora B expression results in reduced histone H3 phosphorylation, aberrant chromosome alignment/segregation, and altered survivin localization (6).

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