

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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