

## AURORA A (2E3) MOUSE MAB

**Cat.#:** N261042

**Product Name:** Anti-Aurora A (2E3) Mouse Monoclonal Antibody

**Synonyms:** AIK; ARK1; AYK1; Aurora-A; Aurora-related kinase 1; BTAK; IAK1; Ipl1- and aurora-related kinase 1; STK15; STK6; Serine/threonine kinase 15

**UNIPROT ID:** O14965

**Background:** Mitotic serine/threonine kinases that contributes to the regulation of cell cycle progression. Associates with the centrosome and the spindle microtubules during mitosis and plays a critical role in various mitotic events including the establishment of mitotic spindle, centrosome duplication, centrosome separation as well as maturation, chromosomal alignment, spindle assembly checkpoint, and cytokinesis.

**Immunogen:** Purified recombinant human Aurora Kinase A protein fragments expressed in E.coli.

**Applications:** WB, ICC/IF

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200

**Host Species:** Mouse

**Clonality:** Mouse Monoclonal

**Clone ID:** 2E3-C10-C11-G6

**MW:** Calculated MW: 46 kDa; Observed MW: 46 kDa

**Isotype:** IgG1

**Purification:** Affinity Purified

**Species Reactivity:** Human, Monkey

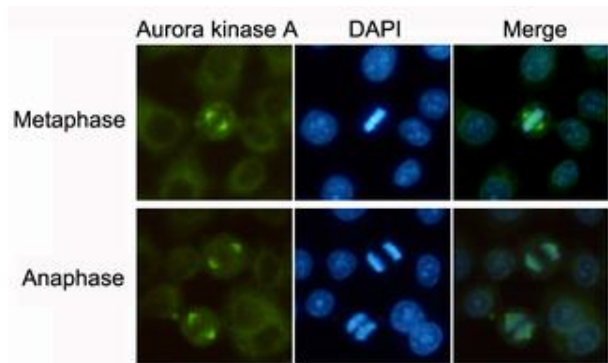
**Conjugation:** Unconjugated

**Modification:** Unmodified

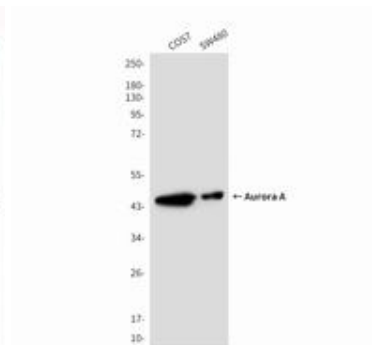
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Epigenetics, Histone phosphorylation

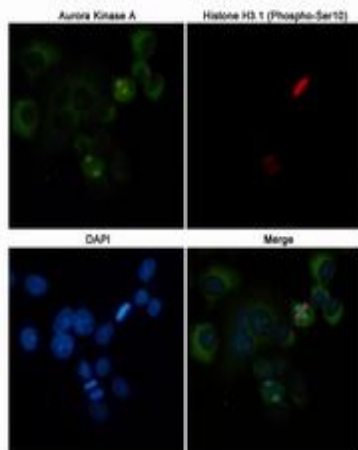
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunocytochemistry analysis of Aurora A (2E3) in HeLa using Aurora Kinase A antibody.



Western blot analysis of Aurora Kinase A in SW480 and COS7 lysates using Aurora Kinase A antibody.



Immunofluorescence analysis of Aurora A (2E3) in HeLa cells using Aurora Kinase A antibody (green) and Histone H3.1 (Phospho-Ser1) antibody (red), and DAPI (blue)