
Aurora B Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 252100

Unit: 0.1 mg

Description:

Aurora B is involved in regulating the cleavage of polar spindle microtubules and is a key regulator for the onset of cytokinesis during mitosis. Aurora B is a component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly.

Aurora B phosphorylates 'Ser-10' and 'Ser-28' of histone H3 during mitosis, and is required for kinetochore localization of BUB1 and SGOL1.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Serine/threonine-protein kinase 12; Aurora kinase B; Serine/threonine-protein kinase aurora-B; Aurora- and IPL1-like midbody-associated protein 1; AIM-1; Aurora/IPL1-related kinase 2; Aurora-related kinase 2; ARK-2; STK-1; AURKB; AIK2; AIM1; ARK2; STK12

Accession No.: Q96GD4

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human aurora B.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.