

Anti-Aurora B Rabbit Monoclonal Antibody

CATALOG NO: A1606-50

ALTERNATIVE NAMES: AIK2, AIM-1, ARK-2, AurB, AURKB, Aurora-1, Aurora and Ipl1 like midbody associated protein 1, Aurora kinase B, Aurora-B, Aurora-related kinase 2, Aurora/IPL1-related kinase 2, IPL1, Protein phosphatase 1 regulatory subunit 48 (PPP1R48), Serine/threonine-protein kinase 12, Serine/threonine-protein kinase aurora-B, STK1, STK12, STK5

AMOUNT: 50 µl

CLONE: RM278

IMMUNOGEN: A peptide corresponding to the C-terminus of human Aurora kinase B

HOST/ISOTYPE: Rabbit IgG

SPECIES REACTIVITY: Human

PURIFICATION: Protein A affinity purified from an animal origin free culture supernatant

FORM: Liquid

FORMULATION: 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide

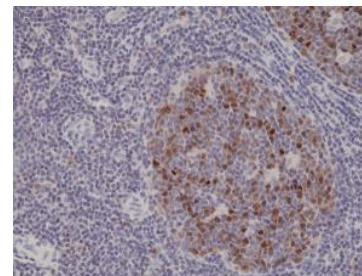
SPECIFICITY: This antibody reacts to human Aurora kinase B.

STORAGE CONDITIONS: For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

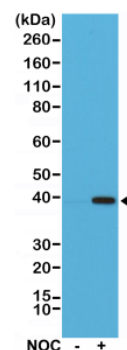
DESCRIPTION: The serine/threonine protein kinase aurora B (Aurora B) is a chromosomal passenger protein critical for accurate chromosome segregation, cytokinesis, protein localization to the centromere and kinetochore, correct microtubule-kinetochore attachment, and regulation of the mitotic checkpoint. Aurora B forms a tight complex with inner centrosome protein and survivin. Inactivation of any of these proteins causes similar defects in chromosome segregation. A significant overexpression of Aurora B has been found in a variety of human tumors including non-small cell lung carcinoma, astrocytoma, seminoma and carcinomas of the colon, prostate, endometrium and thyroid. The expression level of Aurora B is associated with cell proliferation and prognosis in these tumors.

APPLICATION: WB: 1:1000-1:2000
IHC: 1:200-1:500

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Immunohistochemical staining of formalin fixed and paraffin embedded human tonsil tissue sections using Anti-Aurora B Rabbit Monoclonal Antibody (Clone RM278) at a 1:500 dilution.



Western Blot of HeLa cells nontreated (-) or treated (+) with Nocodazole (NOC), using Anti-Aurora B Rabbit Monoclonal Antibody (Clone RM278) at a 1:1000 dilution.

RELATED PRODUCTS:

- Anti-Aurora B Antibody (AURKB/1521) (Cat. No. A1433)
- Aurora Kinase B Inhibitor (AZD1152-HQPA) (Cat. No. 1583)

FOR RESEARCH USE ONLY! Not to be used on humans.