

32-5946: Mouse Anti Human Aurora Kinase B(Clone: PAT2B1AT.)

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| Clonality : | Monoclonal |
| Clone Name : | PAT2B1AT. |
| Application : | ELISA ,FACS |
| Gene : | TP53 |
| Gene ID : | 7157 |
| Uniprot ID : | P04637 |
| Format : | Purified |
| Alternative Name : | Serine/threonine-protein kinase 12,Aurora kinase B,Serine/threonine-protein kinase aurora-B,Aurora- and Ipl1-like midbody-associated protein 1,Aurora/IPL1-related kinase 2,Aurora-related kinase 2,AIM-1,ARK-2,STK-1,AURKB,AIK2,AIM1,ARK2,ST |
| Isotype : | Mouse IgG2b heavy chain and ? light chain. |
| Immunogen Information : | Anti-human AURKB mAb, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human AURKB amino acids 1-344 purified from E. coli. |

Description

Aurora Kinase B (AURKB) belongs to a family of mitotic serine/threonine kinases. AURKB connects with chromosomes for the period of prophase prior to relocating to the spindle at anaphase. AURKB localizes to microtubules near kinetochores, specifically to the specialized microtubules called K-fibers. AURKB controls chromosome segregation through the control of microtubule-kinetochore attachment and cytokinesis. AURKB is required for kinetochore localization of BUB1 and SGOL1. AURKB expression during the G2/M phase transition is firmly coordinated with histone H3 phosphorylation, while overexpression is seen in many kinds of cancers. AURKB phosphorylates "Ser-10" and "Ser-28" of histone H3 during mitosis. AURKB is a component of the CPC (chromosomal passenger complex), which is a complex that acts as a key regulator of mitosis. High level expression of AURKB is seen in the thymus, which is also expressed in the spleen, lung, testis, colon, placenta and fetal liver. AURKB is expressed during S and G2/M phase and expression is up-regulated in cancer cells during M phase.

Product Info

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| Amount : | 20 µg |
| Purification : | AURKB antibody was purified from mouse ascitic fluids by protein-G affinity chromatography. |
| Content : | 1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide. |
| Storage condition : | For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles. |

Application Note

AURKB antibody has been tested by ELISA and Immunofluorescence analyses to assure specificity and reactivity. Since vary, each investigation should be titrated by a reagent to obtain optimal results. Recommended dilution range for Immunofluorescence is 1:1000 ~ 2000. Recommended starting dilution is 1:1000.