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Datasheet for ABIN129590

anti-Aurora Kinase B antibody (AA 227-238)

1 Image

1 Publication

Overview

Quantity:	100 µg
Target:	Aurora Kinase B (AURKB)
Binding Specificity:	AA 227-238
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aurora Kinase B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding aa 227-238 of Human Aurora Kinase B protein.
Isotype:	IgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	Aurora Kinase B (AURKB)
Alternative Name:	Aurora B (AURKB Products)
Background:	Aurora Kinase B (also known as Aurora- and Ipl1-like midbody-associated protein 1, AIM-1, Aurora/IPL1-related kinase 2, Aurora-related kinase 2, STK-1, and Aurora-B) is a Ser/Thr protein

Target Details

kinase member of the Aurora subfamily that may be directly involved in regulating the cleavage of polar spindle microtubules and is a key regulator for the onset of cytokinesis during mitosis. Aurora Kinase B is localized to the midzone of central spindle in late anaphase and concentrated into the midbody in telophase and cytokinesis and is colocalized with gamma tubulin in the mid-body. High levels of Aurora B expression are seen in the thymus, although it is also expressed in the spleen, lung, testis, colon, placenta and fetal liver. Aurora B is expressed during S and G₂/M phase and expression is up-regulated in cancer cells during M phase.

Synonyms: AIK2 antibody, AIM1 antibody, ARK2 antibody, AurB antibody, AURKB antibody, Aurora 1 antibody, Aurora and Ipl1 like midbody associated protein 1 antibody

Gene ID: 9212, 83776600

UniProt: [Q96GD4](#)

Pathways: [TCR Signaling](#), [Cell Division Cycle](#), [Maintenance of Protein Location](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 39 kDa in size corresponding to Aurora Kinase B by western blotting in the appropriate cell lysate or extract. Human brain tissue lysate or HeLa cell lysate can be used as a positive control.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.39 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Publications

Product cited in: Maloverjan, Piirsoo, Kasak, Peil, Østerlund, Kogerman: "Dual function of UNC-51-like kinase 3 (Ulk3) in the Sonic hedgehog signaling pathway." in: **The Journal of biological chemistry**, Vol. 285, Issue 39, pp. 30079-90, (2010) ([PubMed](#)).

Images

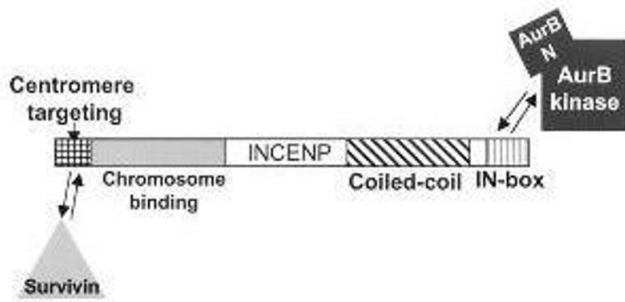


Image 1.