

Rabbit anti-Human Aurora B Monoclonal Antibody

Aurora B (RM278)

CATALOG # AAA59356	HOST Rabbit	REACTIVITY Human
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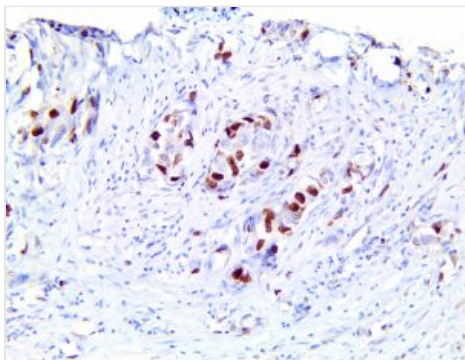
PRODUCT SYNONYMS

Aurora B; Monoclonal Antibody; Aurora B (RM278); aurora b; anti-aurora b; aurora b kinase; anti-Aurora B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	RM278
Form/Format	Paraffin, Frozen Anti-Aurora B is a rabbit monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative.
Immunogen	Synthetic peptide corresponding to the N-terminus of human Aurora kinase B.
Control	Tonsil, Colon, Stomach, Skin, Transitional Cell Carcinoma, T Cell Lymphoblastic Lymphoma
Localization	Cytoplasmic, Nuclear
Preparation and Storage	Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)

IMAGES


IHC (Immunohistochemistry)

Aurora B Antibody Immunohistochemistry on an FFPE Lung Adenocarcinoma Tissue

Antibody Type	Dilution	Volume/Qty
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:50-1:200	0.1 ml
Concentrated	1:50-1:200	0.5 ml
Concentrated	1:50-1:200	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-Aurora B antibody

Aurora B kinase, a 39.3 kDa sized serine-threonine kinase, is a member of the Aurora family of mitotic kinases. The enzymatic activity of Aurora B kinase prevents stable kinetochore-microtubule attachments in early mitosis and promotes stabilization of the attachments in later mitosis due to low activity. The gene for Aurora B kinase (AURKB) is located on chromosome 17p13.1.

Abnormal expression of Aurora B antibody has been found in many cancer types, such as Non-Small Cell Lung Carcinoma, Mesothelioma, Glioblastoma, Oral Cancer and Hepatocellular Carcinoma. In Prostate and Colorectal Cancer, Aurora B expression directly correlates with the progression of cancer. In a study investigating the expression of Aurora B kinase in Thyroid Carcinoma, abundant expression of Aurora B kinase was detected in Anaplastic Carcinomas via IHC. A higher expression of Aurora B kinase in Anaplastic Thyroid Cancer than in differentiated Thyroid Cancer therefore suggests its use as a prognostic marker. In another immunohistochemical analysis, Aurora B antibody showed nuclear overexpression in high Gleason-grade Prostate Cancer, compared to low and intermediate grade cases. Additionally, there are numerous studies that indicate the use of Aurora B kinase as a prognostic marker in Ovarian Cancer. A study found that Aurora-B expression was correlated with the proliferation index ($P < 0.001$) and p53 expression ($P = 0.014$) in Breast cancer tissues and its expression was associated with lymph node metastasis ($P = 0.002$) and histological grade ($P = 0.001$). In conclusion, elevated Aurora-B expression in Breast Cancer patients contributes to chemoresistance and predicts poor prognosis.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/aurora-b-antibody-clone-rm278-elisa/59356>