antibodies

# Datasheet for ABIN6941045 anti-Aurora Kinase B antibody (AA 89-251)





Overview

Quantity:	100 µg
Target:	Aurora Kinase B (AURKB)
Binding Specificity:	AA 89-251
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Aurora Kinase B antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant fragment (around aa 89-251) of human Aurora B protein (exact sequence is proprietary)
Clone:	AURKB-1592
lsotype:	IgG1 kappa
Specificity:	Recognizes a protein of 39 kDa, which is identified as Aurora B. 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,

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Product Details		
	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.	
Purification:	Purified by Protein A/G	
Target Details		
Target:	Aurora Kinase B (AURKB)	
Alternative Name:	AURKB (AURKB Products)	
Molecular Weight:	39kDa	
Gene ID:	9212	
UniProt:	Q96GD4	
Pathways:	TCR Signaling, Cell Division Cycle, Maintenance of Protein Location, Hepatitis C, Toll-Like	
	Receptors Cascades	
Application Details		
Application Notes:	Positive Control: HeLa cells. Tonsil, Placenta, Hodgkin s Lymphoma or Colon Carcinoma.	
	Known Application: Immunohistochemistry (Formalin-fixed) (1-2 $\mu$ g/mL for 30 minutes at	
	RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate	
	buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.	
Restrictions:	For Research Use only	
Handling		
Concentration:	200 µg/mL	
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.	
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:	4 °C,-80 °C	
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody	
	is stable for 24 months. Non-hazardous. No MSDS required.	

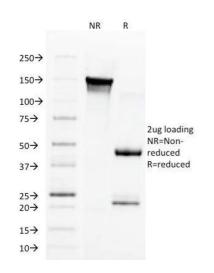
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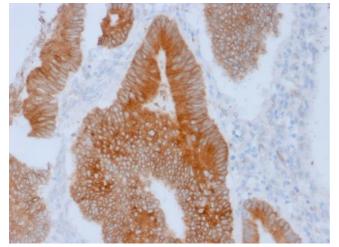
24 months

### Images



#### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified Aurora B Mouse Monoclonal Antibody (AURKB/1592). Confirmation of Integrity and Purity of Antibody.



#### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Colon stained with Aurora B Mouse Monoclonal Antibody (AURKB/1592).

### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Aurora B Mouse Monoclonal Antibody (AURKB/1592).