

Anti-Aurora B Antibody [rAURKB/1592] (A250526)

Specifications:

Name:	Anti-Aurora B Antibody [rAURKB/1592]
Description:	Recombinant mouse monoclonal [rAURKB/1592] antibody to Aurora B.
Specificity:	This antibody recognizes a protein of 39kDa, 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, 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.
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 89-251, of human Aurora B protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	rAURKB/1592
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

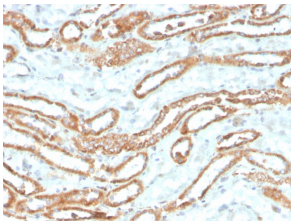
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Specifications continued:

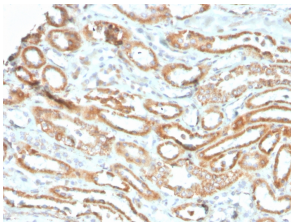
General Notes: This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Aurora B Antibody [rAURKB/1592] - BSA and Azide free (A253706).

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

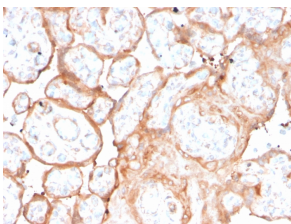
Images:



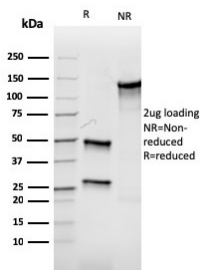
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human kidney using Anti-Aurora B Antibody [rAURKB/1592].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human kidney using Anti-Aurora B Antibody [rAURKB/1592].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human placenta using Anti-Aurora B Antibody [rAURKB/1592].



SDS-PAGE analysis of Anti-Aurora B Antibody [rAURKB/1592] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.