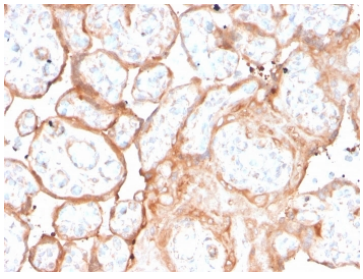
Recombinant Aurora B Antibody / AURKB [clone rAURKB/1592] (V8214)

Catalog No.	Formulation	Size
V8214-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8214-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8214SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

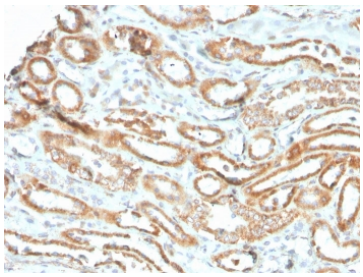
Recombinant MOUSE MONOCLONAL

Bulk quote request

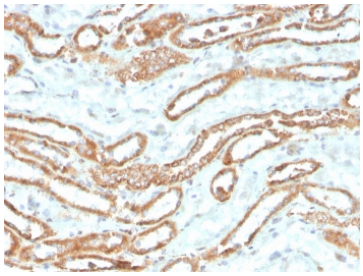
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rAURKB/1592
Purity	Protein G affinity chromatography
UniProt	Q96GD4
Localization	Nuclear, cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This recombinant Aurora B antibody is available for research use only.



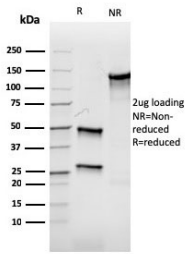
IHC staining of FFPE human placenta with recombinant Aurora B antibody (clone rAURKB/1592). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human kidney with recombinant Aurora B antibody (clone rAURKB/1592). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human kidney with recombinant Aurora B antibody (clone rAURKB/1592). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Aurora B antibody (clone rAURKB/1592) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the recombinant Aurora B antibody should be determined by the researcher.

Immunogen

A recombinant human protein fragment (amino acids 89-251) was used as the immunogen for this Aurora B antibody.

Storage

Store the recombinant Aurora B antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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