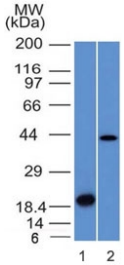
Aurora B Antibody [clone AURKB/1521] (V3241)

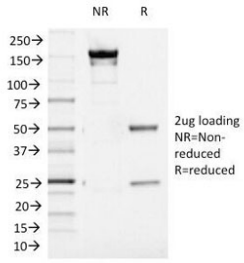
Catalog No.	Formulation	Size
V3241-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3241-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3241SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	AURKB/1521
Purity	Protein G affinity
UniProt	Q96GD4
Gene ID	9212
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Aurora B antibody is available for research use only.



Western blot testing of 1) a partial recombinant protein and 2) human liver lysate with Aurora B antibody (clone AURKB/1521). Predicted molecular weight: 39-45 kDa



SDS-PAGE Analysis of Purified, BSA-Free Aurora B Antibody (clone AURKB/1521). Confirmation of Integrity and Purity of the Antibody.

Description

Recognizes a protein of 39-45kDa, 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 Aurora B antibody should be determined by the researcher.

Immunogen

Amino acids 89-251 were used as the immunogen for this Aurora B antibody.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com