

Datasheet for ABIN3030077

anti-Aurora Kinase B antibody (AA 283-313)[Go to Product page](#)**3** Images

Overview

Quantity:	0.4 mL
Target:	Aurora Kinase B (AURKB)
Binding Specificity:	AA 283-313
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aurora Kinase B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 283-313 from the human protein was used as the immunogen for this Aurora B antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	Aurora Kinase B (AURKB)
Alternative Name:	Aurora B (AURKB Products)
Background:	Chromosomal segregation during mitosis as well as meiosis is regulated by kinases and phosphatases. The Aurora kinases associate with microtubules during chromosome movement and segregation. STK12 (Aurora kinase B) localizes to microtubules near

Target Details

	kinetochores, specifically to the specialized microtubules called K-fibers, and Aurora kinase A localizes to centrosomes
UniProt:	Q96GD4
Pathways:	TCR Signaling , Cell Division Cycle , Maintenance of Protein Location , Hepatitis C , Toll-Like Receptors Cascades

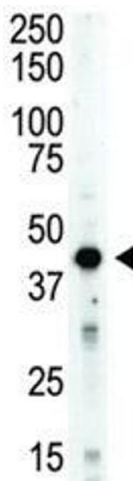
Application Details

Application Notes:	Titration of the Aurora B antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100
Restrictions:	For Research Use only

Handling

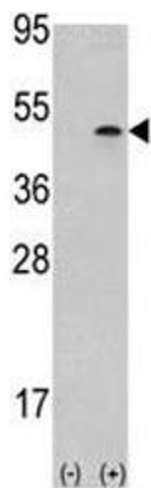
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the Aurora B antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



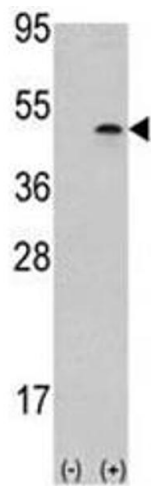
Western Blotting

Image 1. Aurora B antibody used in western blot to detect STK12/AuroraB in mouse spleen tissue lysate. Predicted molecular weight: 39-45 kDa



Western Blotting

Image 2. Western blot analysis of Aurora B antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the AURKB gene (2).



Western Blotting

Image 3. Western blot analysis of Aurora B antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the AURKB gene (2).