

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Aurora B in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Aurora B Met1-Ile150 Accession # Q96GD4
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
	*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Aurora B, a serine/threonine protein kinase, is a key regulator of the onset of cytokinesis and chromosome segregation. Phosphorylation of Histone H3 at Ser 10 and Ser 28 by Aurora B contributes to chromosome number instability and mitotic chromosome condensation. In addition, Aurora B phosphorylates MCAK (mitotic centromere-associated kinesin) on Ser 92 and this inhibits MCAK's microtubule depolymerizing activity. Aurora B localizes to kinetochore fibers during chromosome movement and segregation.

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