

DESCRIPTION

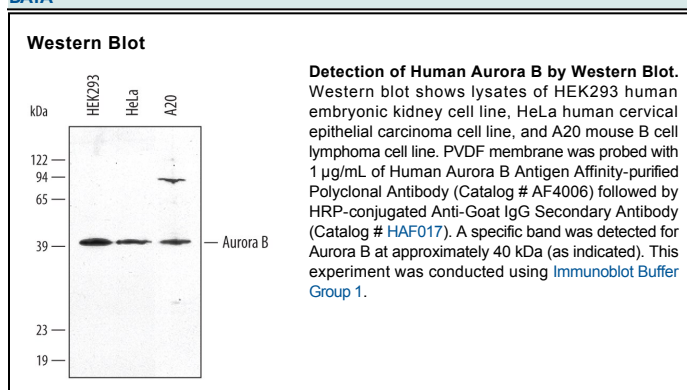
Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Aurora B in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Aurora B Met1-Ile150 Accession # Q96GD4
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.