

DESCRIPTION

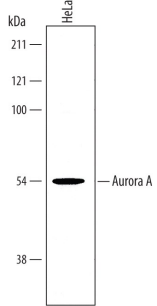
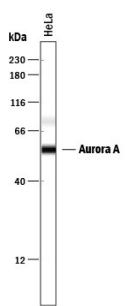
Species Reactivity	Human
Specificity	Detects human Aurora A in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Aurora A Met1-Glu131 Accession # O14965
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with 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	0.25 µg/mL	See Below
Simple Western	12.5 µg/mL	See Below

DATA

<p>Western Blot</p>  <p>Detection of Human Aurora A by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line. PVDF membrane was probed with 0.25 µg/mL of Human Aurora A Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3295) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for Aurora A at approximately 54 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 5.</p>	<p>Simple Western</p>  <p>Detection of Human Aurora A by Simple Western™. Simple Western lane view shows lysates of HeLa human cervical epithelial carcinoma cell line, loaded at 0.2 mg/mL. A specific band was detected for Aurora A at approximately 56 kDa (as indicated) using 12.5 µg/mL of Goat Anti-Human Aurora A Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3295) followed by 1:50 dilution of HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.</p>
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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 A is a serine/threonine kinase that regulates chromosome segregation and cytokinesis during mitosis. Its kinase activity is thought to regulate the G₂ to M transition of the cell cycle by phosphorylating BRCA1. Aberrant expression and activity of Aurora A in tumors, including breast, ovarian, gastric and colorectal cancer, suggests that it plays a role in tumor development and progression.