

34-1012: Monoclonal Antibody to Aurora A Kinase (Clone: 1A14)(Discontinued)

Clonality :	Monoclonal
Clone Name :	1A14
Application :	IHC, WB
Reactivity :	Pig, Rat, Mouse, Human, Bovine
Gene :	AURKA
Gene ID :	6790
Uniprot ID :	O14965
Format :	Purified
Alternative Name :	Aurora 2, ARK-1, Aurora/IPL1-related kinase 1, Breast tumor-amplified kinase, Serine/threonine-protein kinase 15, Serine/threonine-protein kinase 6, Serine/threonine-protein kinase aurora-A
Isotype :	Mouse, IgG1
Immunogen Information :	Full length recombinant human protein aurora A expressed in and purified from E. coli

Product Info

Amount :	100 µl
Content :	Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot: 1:500-1:1,000. ICC/IF and IHC: 1:500- 1:1,000.

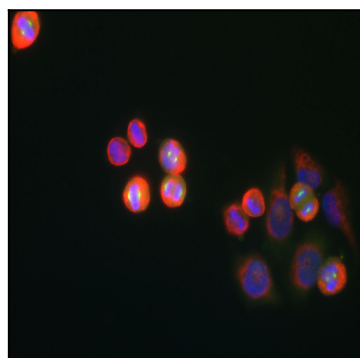


Figure 1: HeLa cell cultures stained with 34-1012 antibody (green). Aurora A localizes in spindle poles and mitotic spindles at late mitosis. Counterstained is our chicken polyclonal antibody against Vimentin, 34-1126 (red). Blue is a DNA stain.

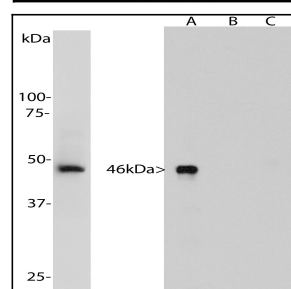


Figure 2: Left: Western analysis of 34-1011. Blot of HeLa cells treated with 100ng/ml nocodazole for 18 hours was probed with 34-1012. Nocodazole is a microtubule polymerization inhibitor which induces cells to halt at G2/M phase and induces Aurora A expression. The 34-1012 monoclonal binds strongly and cleanly to a band at about 46 kDa. Right: Blot of recombinant human Aurora A, B and C was probed with 34-1012. 34-1012 recognized only Aurora A protein.