

### 34-1011: Monoclonal Antibody to Aurora A Kinase (Clone: 1A11)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	1A11
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	AURKA
<b>Gene ID :</b>	6790
<b>Uniprot ID :</b>	O14965
<b>Format :</b>	T.C. Sup.
<b>Alternative Name :</b>	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
<b>Isotype :</b>	Mouse, IgG1
<b>Immunogen Information :</b>	Full length recombinant human protein aurora A expressed in and purified from E. coli

#### Product Info

<b>Amount :</b>	250 µl / 500 µl
<b>Content :</b>	Antibody is supplied as an aliquot of concentrated tissue culture supernatant.
<b>Storage condition :</b>	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

WB: 1:100-1:500. ICC/IF and IHC: 1:100-1:500.

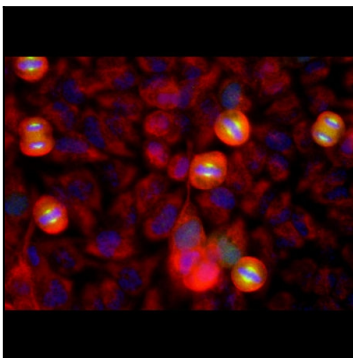


Figure-1: Immunofluorescent analysis of HeLa cell cultures stained with mouse mAb to aurora A kinase,(34-1011), in green, and costained with chicken pAb to vimentin,(34-1126), in red. The blue is DAPI staining of nuclear DNA. (34-1011) antibody labels aurora A protein expressed in spindle poles at late mitosis.

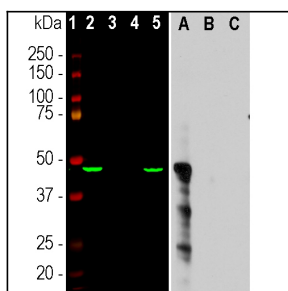


Figure-2: Western blot analysis of different cell lysates and recombinant protein solutions using mouse mAb to aurora A,(34-1011). Left: cells were treated with 100ng/mL of nocodazol (a microtubule depolymerizing agent which induces cells to halt at G2/M phase) for 6 hours: [1] protein standard, [2] HeLa, [3] canine A72 cells, [4] Equine NBL6 cells, and [5] murine KR158 cells. The antibody apparently does not recognize canine or equine aurora A, but does bind human and murine. Right: equal amounts of purified human recombinant aurora A, B, C as indicated. The (34-1011) antibody reacts with the aurora A recombinant protein but not aurora B or C.