34-1015: Monoclonal Antibody to Aurora A Kinase (Clone: 4A7)

Clonality :	Monoclonal
Clone Name :	4A7
Application :	Wb, IF/ICC, IHC
Reactivity :	Human, Rat, Mouse, Cow, Pig, Horse
Gene :	AURKC
Gene ID :	6795
Uniprot ID :	Q9UQB9
Format :	Purified
Alternative Name :	Aurora 3,ARK-3,Aurora/IPL1-related kinase 3,Aurora/IPL1/Eg2 protein 2,Serine/threonine-protein kinase 13,Serine/threonine-protein kinase aurora-C
Isotype :	Mouse, IgG1
Immunogen Information :	Full length recombinant human Aurora C protein expressed in and purified from E. coli.

Product Info

Amount :	50 µl / 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

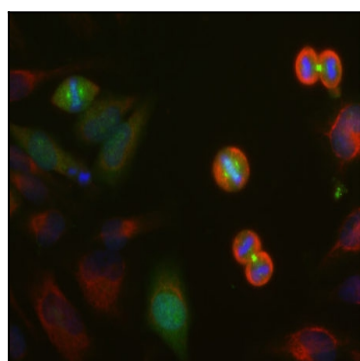WB: 1:1,000. ICC/IF or IHC: 1:1,000-1:2,000.

Figure-1: HeLa cell cultures were stained with (34-1015) antibody (green). Strong staining in spindle poles is seen in cells at anaphase and the antibody also stains the midbodies between daughter cells. Cells were counterstained with chicken polyclonal antibody to vimentin (34-1126) in red, revealing cytoplasmic intermediate filaments. Blue is a DNA stain.
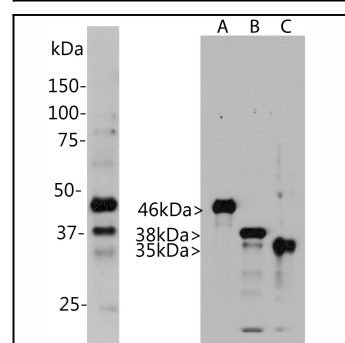

Figure-2: Left: Western blot analysis of (34-1015) in HeLa cells. Blot of HeLa cells treated with 100ng/ml nocodazole for 18 hours was probed with (34-1015). Nocodazole is a microtubule depolymerizing agent which induces cells to halt at the G2/M phase and also induces aurora kinase expression. The (34-1015) monoclonal binds strongly to bands at about 46kDa and 38kDa, corresponding to aurora A and aurora B. It also recognizes a weak band at 35kDa which is aurora C. Right: Blot of recombinant full length human aurora A, B and C proteins were probed with (34-1015). This antibody therefore reacts strongly with all three aurora kinases proteins.

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