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34-1016: Monoclonal Antibody to Aurora B Kinase (Clone: 3F11)

Clonality :	Monoclonal
Clone Name :	3F11
Application :	WB, IF/ICC, IHC
Reactivity :	Human, Rat, Mouse, Cow, Horse
Gene :	AURKB
Gene ID :	9212
Uniprot ID :	Q96GD4
Format :	Purified
Alternative Name :	Aurora 1,AIM-1,Aurora- and IPL1-like midbody-associated protein 1,ARK-2,Aurora/IPL1-related kinase 2,STK-1,Serine/threonine-protein kinase 12,Serine/threonine-protein kinase 5,Serine/threonine-protein kinase aurora-B
Isotype :	Mouse, IgG2a
Immunogen Information :	Full length recombinant human Aurora B 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. IF/ICC or IHC: 1:1,000.

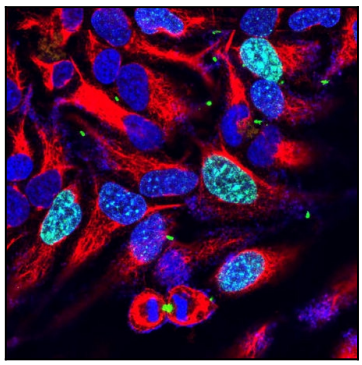

Figure-1: Immunofluorescent analysis of HeLa cells stained with mouse mAb to aurora B kinase,(34-1016), dilution 1:1,000 in green, and costained with chicken pAb to Vimentin,(34-1126), dilution 1:2,000 in red. The blue is DAPI staining of nuclear DNA. The (34-1016) reveals aurora B localized in midbodies, midzones of dividing cells and also in the nuclei or some cells.

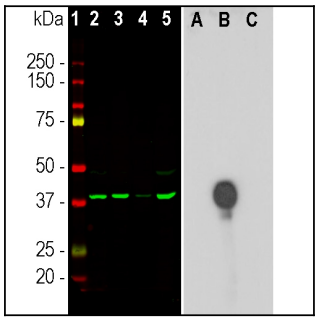

Figure-2: Western blot analysis of different cell lysates and recombinant protein solutions using mouse mAb to aurora A/B,(34-1013). Left: cells were treated with 100ng/mL of nocodazol, a microtubule depolymerizing agent which induces cells to halt at G2/M phase. [1] protein standard, [2] HeLa, [3] canine A72 cells, [4] equine NBL6 cells, and [5] mouse KR158 cells. Right: Blot of purified full length recombinant human aurora A, B and C were probed with (34-1016). The antibody binds specifically only to aurora B and not to the closely related aurora A and C.