

34-1017: Monoclonal Antibody to Aurora B Kinase (Clone: 6G2)

Clonality :	Monoclonal
Clone Name :	6G2
Application :	WB, IF/ICC, IHC
Reactivity :	Human, Horse, Dog
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, IgG1
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: 1:1,000-1:2,000.

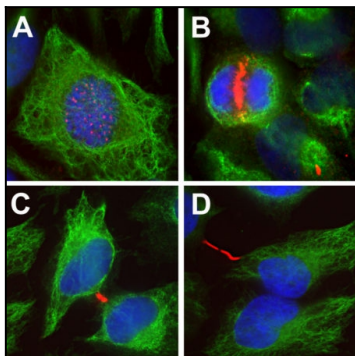


Figure-1: Immunofluorescent analysis of HeLa cells stained with mouse mAb to aurora B kinase,(34-1017), dilution 1:1,000 in red, and costained with chicken pAb to vimentin,(34-1126), dilution 1:10,000 in green. Blue is DAPI staining of nuclear DNA. (34-1017) antibody produces strong staining associated with chromosomes in prophase (A), the centromere in prometaphase and metaphase (B), the central mitotic spindle in anaphase (C), and midbodies between the two daughter cells during telophase and beyond (D). The vimentin antibody stains the intermediate filament network in these cells.

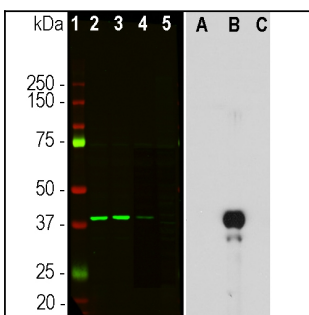


Figure-2: Western blot analysis of different cell lysates and recombinant protein solutions using mouse mAb to aurora B,(34-1017). Left: cells were treated with 100ng/mL of nocodazol, a microtubule depolymerizing agent which induces cells to halt at G2/M phase. [1] protein standard, [2] HeLa, [3] canine A72 cells, [4] equine NBL6 cells, and [5] mouse KR158 cells. Right: Human recombinant proteins aurora A, B, and C as indicated. This antibody binds specifically to aurora B.