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34-1014: Monoclonal Antibody to Aurora A/B Kinase (Clone: 5A12)

Clonality :	Monoclonal
Clone Name :	5A12
Application :	WB, IF/ICC, IHC
Reactivity :	Human, Rat, Mouse, Horse, Dog
Format :	Purified
Isotype :	Mouse, IgG1
Immunogen Information :	Full length recombinant human Aurora A 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: 1:1,000-1;2,000. ICC/IF or IHC: 1:1,000-1:2,000.

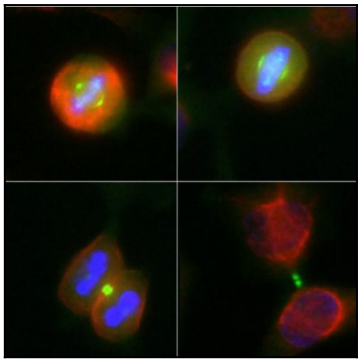

Figure-1: Immunofluorescent analysis of HeLa cell cultures stained with mouse mAb to aurora A/B kinase,(34-1014), in green, and costained with chicken pAb to Vimentin,(34-1126), in red. The blue is DAPI staining of nuclear DNA. (34-1014) antibody stains spindle poles and mitotic spindles at anaphase (top 2 panels) and concentrates on the midbody between the two daughter cells during telophase (bottom 2 panels).

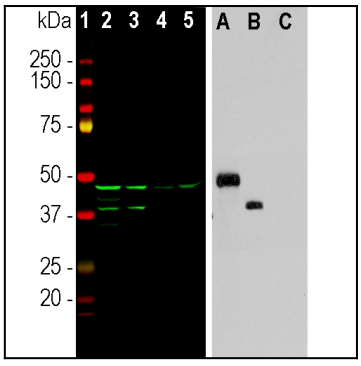

Figure-2: Western blot analysis of different cell lysates and recombinant protein solutions using mouse mAb to Aurora A/B,(34-1014). Left: cells were treated with 100 ng/mL of nicodazol for 6 hours:[1] protein standard, [2] HeLa, [3] A72, [4] NBL6, and [5] KR158 cells. Right: human recombinant protein Aurora (A, B, C as indicated) solutions. Bands at 46kDa and 38kDa correspond to Aurora A and Aurora B proteins respectively.