

34-1002: Monoclonal Antibody to Actin, pan-specific (Clone: 5J11)

Clonality :	Monoclonal
Clone Name :	5J11
Application :	WB, IF/ICC, IHC.
Reactivity :	Human, Rat, Mouse, Cow, Pig, Horse
Gene :	ACTA
Gene ID :	58
Uniprot ID :	P68133
Format :	Purified
Alternative Name :	Alpha-actin-1
Isotype :	Mouse, IgG1
Immunogen Information :	Actin preparation derived from bovine brain

Product Info

Amount :	50 μ L / 100 μ L
Content :	Supplied as an aliquot of affinity purified antibody at 1mg/ml in PBS, 50% glycerol, 5mM Na ₃ N
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: 1:500-1,000.

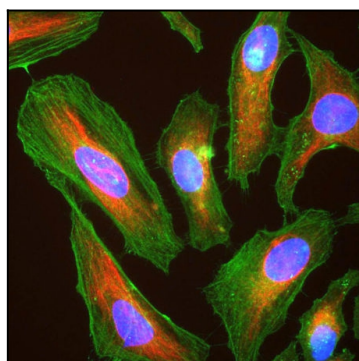


Figure-1: Immunofluorescent analysis of HeLa cells stained with mAb against actin,(34-1002), in green, costained with chicken pAb against vimentin,(34-1126), in red. The actin antibody labels the submembranous actin-rich cytoskeleton, stress fibers and bundles of actin associated with cell adhesion sites. The vimentin antibody stains a different cytoskeletal network, the intermediate or 10nm filaments. The blue is DAPI staining of nuclear DNA.

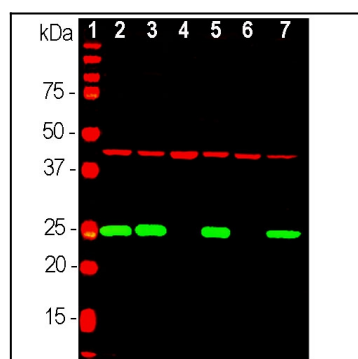


Figure-2: Western blot analysis of tissue and cell lysates probed with mouse mAb against actin,(34-1002), in red. [1] protein standard, [2] rat brain, [3] mouse brain, [4] NIH-3T3, [5] HEK293, [6] HeLa, [7] SH-SY5Y cells. The same blot was simultaneously probed with chicken pAb to UCHL-1, a marker of neuronal lineage cells, in green.