

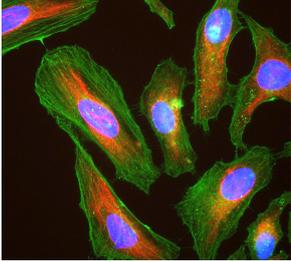
Anti-Actin Antibody [5J11] (A85388)

Specifications:

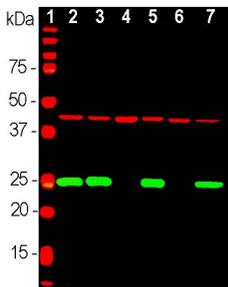
Name:	Anti-Actin Antibody [5J11]
Description:	Mouse monoclonal (5J11) antibody to Actin.
Specificity:	This antibody binds all six Actin gene products; not unexpected given the 94-97% sequence identity of the six proteins. As a result this antibody will detect all Actin proteins present in any mammalian cell or tissue extract, making it a useful and versatile western blot loading control. This antibody also works in immunocytochemical experiments, strongly labeling filopodia, membrane ruffles, and stress fibers in cells, all known to be rich in Actin.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:1,000, ICC/IF: 1:500-1:1,000, IHC: 1:500-1:1,000
Reactivity:	Human, Horse, Bovine, Porcine, Rat, Mouse
Immunogen:	Actin preparation derived from bovine brain.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	5J11
Isotype:	IgG1
Conjugate:	Unconjugated
Purification:	Immunogen affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	42 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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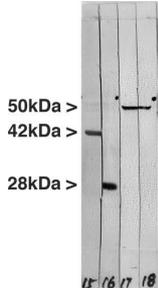
Images:



Immunofluorescent analysis of HeLa cells stained with Anti-Actin Antibody (green) and Anti-Vimentin Antibody (A85421 | red). The Anti-Actin Antibody labels the submembranous actin-rich cytoskeleton, stress fibers and bundles of actin associated with cell adhesion sites. The Anti-Vimentin Antibody stains a different cytoskeletal network, the intermediate or 10nm filaments. The blue is DAPI staining of nuclear DNA.



Western blot analysis of tissue and cell lysates probed with Anti-Actin Antibody (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 Anti-UCHL1 Antibody (A85349 | green) - a marker of neuronal lineage cells.



Western blot of crude extract of the human carcinoma HeLa cell line. Lane 15 was probed with Anti-Actin Antibody giving a strong clean band at an SDS-PAGE molecular weight of 42 kDa. Lane 16 was probed with Anti-14-3-3 eta Antibody (A85361) which has an SDS-PAGE molecular weight of 28 kDa. Lanes 17 and 18 were probed with two Anti-Vimentin Antibodies (A85424 & A85423, respectively). Note that both Anti-Vimentin Antibodies show strong clean bands at the expected molecular weight of 50 kDa.