

**Anti-Actin Antibody**

Our Anti-Actin primary antibody from PhosphoSolutions is mouse monoclonal. It detects all known spec

Catalog # AN1306

**Specification**

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**Anti-Actin Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P68139</a>
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	42051

**Anti-Actin Antibody - Additional Information****Other Names**

a actin antibody, ACTA antibody, ACTA1 antibody, Actin alpha skeletal muscle antibody, Actin antibody, actin alpha 1 skeletal muscle 1 antibody, actin alpha 1 skeletal muscle antibody, Actin alpha skeletal muscle antibody, actina antibody, actine antibody, ACTS\_HUMAN antibody, aktin antibody, Alpha Actin 1 antibody, Alpha skeletal muscle Actin antibody, alpha skeletal muscle antibody, alpha-actin antibody, Alpha-actin-1 antibody, ASMA antibody, CFTD antibody, CFTD1 antibody, CFTDM antibody, MPFD antibody, NEM1 antibody, NEM2 antibody, NEM3 antibody, nemaline myopathy type 3 antibody

**Target/Specificity**

Actin is the most abundant protein found in virtually all eukaryotic cells. It is also one of the most highly-conserved proteins, differing by no more than 20% in species as diverse as algae and humans, making it an excellent choice for use as a loading control. It is the monomeric subunit of microfilaments, one of the three major components of the cytoskeleton, and of thin filaments, which are part of the contractile apparatus in muscle cells. Thus, actin participates in many important cellular functions, including muscle contraction, cell motility, cell division and cytokinesis, vesicle and organelle movement, cell signaling, and the establishment and maintenance of cell junctions and cell shape.

**Format**

Mouse ascites fluid

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Anti-Actin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Shipping**

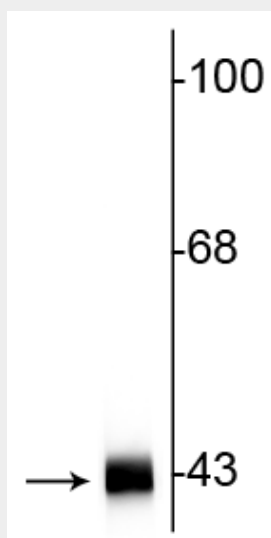
Blue Ice

## Anti-Actin Antibody - Protocols

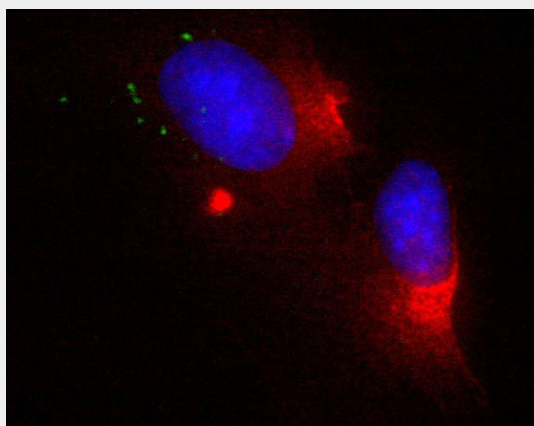
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-Actin Antibody - Images



Western blot of rat hippocampal lysate showing specific immunolabeling of the ~42 kDa actin protein.



Immunofluorescence staining of human blood-brain barrier endothelial cells, HMEC 3, showing specific labeling of actin (cat. 125-ACT, red, 1:200). The cell nuclei are stained in blue with DAPI. Photo credit of Yancy Ferrer-Acosta/Henrique Martins, Universidad Central Del Caribe, PR.

## Anti-Actin Antibody - Background

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highly-conserved proteins, differing by no more than 20% in species as diverse as algae and humans, making it an excellent choice for use as a loading control. It is the monomeric subunit of microfilaments, one of the three major components of the cytoskeleton, and of thin filaments, which are part of the contractile apparatus in muscle cells. Thus, actin participates in many important cellular functions, including muscle contraction, cell motility, cell division and cytokinesis, vesicle and organelle movement, cell signaling, and the establishment and maintenance of cell junctions and cell shape.