

β -Actin Monoclonal Antibody

CATALOG #:	3598-100
AMOUNT:	100 μ g
LOT #:	_____
HOST:	Mouse
IMMUNOGEN:	Synthetic peptide corresponding to the N-terminus of human β -Actin.
CLONE#:	B11V08

FORMULATION:

100 μ g (0.5 mg/ml) Protein G affinity purified mouse anti- β -Actin monoclonal antibody in phosphate-buffered saline (PBS) containing 0.02% thimerosal.

SPECIES REACTIVITY: human, mouse, rat, pig, sheep, chicken, rabbit, bovine

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

Actin is expressed in all eukaryotic cells and is the major component of the cytoskeleton. At least six types of actin are present in mammalian tissues and fall into three classes. Alpha actin expression is limited to various types of muscle and it regulates contractile potentials for the muscle cells, whereas beta and gamma actin, also known as cytoplasmic actin, are predominantly expressed in nonmuscle cells, controlling cell structure and motility.

SPECIFICITY:

The antibody recognizes 44 kDa beta-Actin in samples from human, mouse, rat, pig, sheep, chicken, rabbit, bovine origins.

APPLICATION:

The antibody can be used for Western blotting (0.5-2 μ g/ml), immunofluorescence (5-10 μ g/ml) and immunohistochemistry (10-20 μ g/ml). However, the optimal concentrations should be determined individually.

NOTE: This product is for research use only! Not to be used in human.

RELATED PRODUCTS:

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- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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