

14-3-3 Monoclonal Antibody

CATALOG #:	3126-100
AMOUNT:	100 µg
LOT #:	_____
ISOTYPE:	Mouse IgG
CLONE:	S22G
SPECIES:	Human, Mouse, Rat, Pig, Monkey, Rabbit, Dog, Sheep, Bovine

ANTIBODY FORMULATION:

100 µg (0.5 mg/ml) immunoaffinity purified mouse monoclonal antibody in PBS containing 1 mg/ml BSA and 1.5 mM sodium azide and 50% glycerol.

STORAGE CONDITIONS:

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

DESCRIPTION:

The 14-3-3 proteins comprise a family of highly conserved acidic proteins which play a role in both signal transduction and the cell cycle by binding to and regulating several different proteins. The family of proteins is present in particularly high concentrations in mammalian brain and may be involved in the regulation of neuronal activity. The 14-3-3 proteins exist as either homo- or heterodimers which interact via their N-terminal domains and are subject to phosphorylation by protein kinase C.

APPLICATIONS:

The antibody can be used for Western blotting (1-2 µg/ml) and immunohistochemistry (20-40 µg/ml). However, the optimal conditions should be determined individually.

SPECIFICITY:

The antibody recognizes a ~31 kDa protein, corresponding to the apparent molecular weight of the β and ζ isoforms of 14-3-3 on SDS-PAGE immunoblots.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- 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

Cell Proliferation & Senescence

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

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

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

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies