

Apaf-1 Polyclonal Antibody

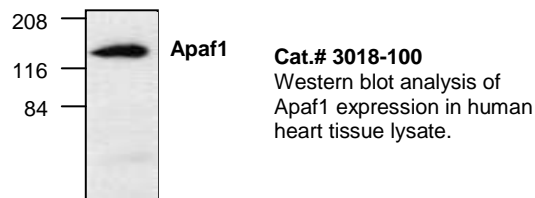
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| CATALOG #: | 3018-100 |
| AMOUNT: | 100 µg |
| LOT #: | _____ |
| HOST: | Rabbit |
| IMMUNOGEN: | Synthetic peptide surrounding amino acid 1161 of human Apaf-1 |
| FORMULATION: | 100 µg (0.2 mg/ml) immunoaffinity purified, rabbit anti-Apaf-1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.05% BSA, 0.01% thimerosal. |
| SPECIES REACTIVITY: | Human, Mouse, Rat, Bovine, Rabbit, Hamster, Guinea pig, Monkey |

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

DESCRIPTION:
During apoptosis, Apaf-1 (apoptosis protease activating factor 1) binds to cytochrome c (Apaf-2), a reaction that requires dATP, and this leads to the formation of a large multimeric complex. The complex recruits pro-caspase-9, and activates caspase-9 (Apaf-3). Activated caspase-9 in turn cleaves and activates caspase-3, one of the proteases responsible for the proteolytic cleavage of many key proteins in apoptosis. Apaf-1 is ubiquitously expressed in human tissues.

SPECIFICITY:
The immunoaffinity purified antibody detects a 130 kDa protein, corresponding to the apparent molecular weight of Apaf-1 on SDS-PAGE immunoblots.

APPLICATION AND USAGE:
The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually.



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