

Caspase 3 protein

CatalogNo: YD0021

Key Features

Reactivity

- Human

Storage

Storage* -20°C/6 month, -80°C for long storage

Formulation Liquid in PBS

Recommended Dilution Ratios

Basic Information

Source E.coli

Purification E.coli

Purity SDS-PAGE >90%

Immunogen Information

Sequence Amino acid: 143-213, with his-MBP tag.

Target Information

Gene name CASP3

Protein Name Caspase3

Organism

Gene ID

UniProt ID

Human

[836;](#)

[P42574;](#)

Cellular Localization

Cytoplasm.

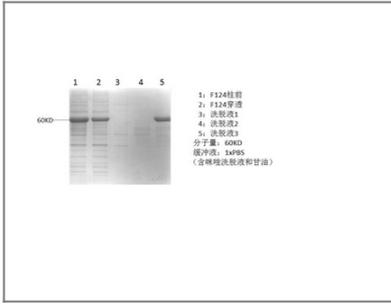
Tissue specificity

Highly expressed in lung, spleen, heart, liver and kidney. Moderate levels in brain and skeletal muscle, and low in testis. Also found in many cell lines, highest expression in cells of the immune system.

Function

regulation of cyclin-dependent protein kinase activity, DNA catabolic process, endonucleolytic, leukocyte homeostasis, B cell homeostasis, release of cytochrome c from mitochondria, lymphocyte homeostasis, negative regulation of immune system process, regulation of leukocyte activation, negative regulation of leukocyte activation, DNA metabolic process, DNA catabolic process, DNA fragmentation involved in apoptosis, negative regulation of protein kinase activity, proteolysis, apoptosis, induction of apoptosis, cell structure disassembly during apoptosis, response to DNA damage stimulus, nucleus organization, mitochondrion organization, ectoderm development, heart development, sensory perception, sensory perception of sound, cell death, negative regulation of cell proliferation, epidermis development, induction of apoptosis by extracellular signals, induction of apoptosis by intracellular signals, induction of apoptosis by oxidative stress, apoptotic mitochondrial changes, macromolecule catabolic process, response to radiation, response to UV, response to light stimulus, response to wounding, response to abiotic stimulus, epidermal cell differentiation, response to organic substance, regulation of cell death, positive regulation of cell death, programmed cell death, induction of programmed cell death, death, regulation of phosphate metabolic process, cellular component disassembly, keratinocyte differentiation, apoptotic nuclear changes, nuclear fragmentation during apoptosis, epithelial cell differentiation, regulation of B cell proliferation, negative regulation of B cell proliferation, regulation of mononuclear cell proliferation, negative regulation of mononuclear cell proliferation, cellular response to stress, negative regulation of kinase activity, response to cytokine stimulus, response to tumor necrosis factor, regulation of cell proliferation, regulation of T cell proliferation, negative regulation of T cell proliferation, regulation of phosphorylation, homeostatic process, regulation of apoptosis, T cell homeostasis, positive regulation of apoptosis, negative regulation of apoptosis, regulation of programmed cell death, positive regulation of programmed cell death, negative regulation of programmed cell death, negative regulation of catalytic activity, regulation of kinase activity, negative regulation of molecular function, cellular macromolecule catabolic process, cell fate commitment, negative regulation of cyclin-dependent protein kinase activity, negative regulation of cell cycle, regulation of protein kinase activity, regulation of activated T cell proliferation, negative regulation of activated T cell proliferation, homeostasis of number of cells, regulation of lymphocyte proliferation, negative regulation of lymphocyte proliferation, regulation of T cell activation, regulation of B cell activation, regulation of cell activation, negative regulation of cell activation, negative regulation of T cell activation, negative regulation of B cell activation, neurological system process, cognition, sensory perception of mechanical stimulus, regulation of phosphorus metabolic process, regulation of lymphocyte activation, negative regulation of lymphocyte activation, regulation of transferase activity, negative regulation of transferase activity, neuron apoptosis, regulation of cell cycle, epithelium development, negative regulation of cell death, regulation of leukocyte proliferation, negative regulation of leukocyte proliferation,

Validation Data



Contact information

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Caspase 3 protein

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