



Anti-CASP7 monoclonal antibody, clone 8-2-22 (DCABH-9488)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Caspase-7
Antigen Description	Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves and activates sterol regulatory element binding proteins (SREBPs). Proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a 216-Asp--Gly-217 bond. Overexpression promotes programmed cell death.
Specificity	This antibody recognizes the unprocessed pro caspase-7 (p35), caspase-7 lacking the short aminoterminal pro domain (32 kDa) and the fully processed caspase-7 (p19) in apoptotic cell extracts.
Immunogen	Recombinant full length protein corresponding to Human Caspase-7.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Mouse, Rat, Sheep, Rabbit, Hamster, Dog, Human, Pig, Monkey
Clone	8-2-22
Conjugate	Unconjugated
Applications	ICC/IF, Flow Cyt, WB
Positive Control	HeLa Cell Lysate Rat Brain Tissue Extract Jurkat cell lysate treated with staurosporine IF/ICC: MCF7 cell line.
Format	Liquid
Size	100 µg

Buffer	Preservative: None; Constituents: 50mM Sodium chloride, 10mM Sodium phosphate, 0.1mM PMSF, pH 7.2
Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.

GENE INFORMATION

Gene Name	CASP7 caspase 7, apoptosis-related cysteine peptidase [Homo sapiens]
Official Symbol	CASP7
Synonyms	CASP7; caspase 7, apoptosis-related cysteine peptidase; caspase 7, apoptosis related cysteine protease; caspase-7; CMH 1; ICE LAP3; MCH3; CASP-7; Lice2 alpha/beta/gamma; caspase 7 isoform delta; apoptotic protease MCH-3; ICE-like apoptotic protease 3; cas
Entrez Gene ID	840
Protein Refseq	NP_001218
UniProt ID	P55210
Chromosome Location	10q25
Pathway	Activation of caspases through apoptosome-mediated cleavage, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem.
Function	aspartic-type endopeptidase activity; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity; cysteine-type peptidase activity; peptidase activity; protein binding;