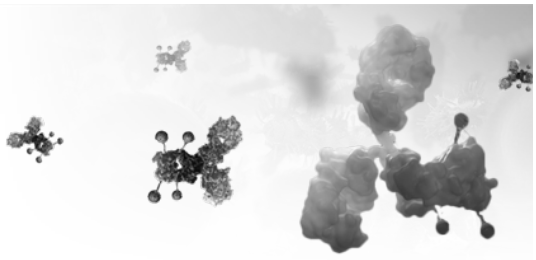

Anti-CASP3 monoclonal antibody, clone N488 (DCABH-1169)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Caspase-3
Antigen Description	Involved in the activation cascade of caspases responsible for apoptosis execution. At the onset of apoptosis it proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a 216-Asp--Gly-217 bond. Cleaves and activates sterol regulatory element binding proteins (SREBPs) between the basic helix-loop-helix leucine zipper domain and the membrane attachment domain. Cleaves and activates caspase-6, -7 and -9. Involved in the cleavage of huntingtin.
Immunogen	Recombinant fragment corresponding to Human Caspase-3 (N terminal).
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	N488
Conjugate	Unconjugated
Applications	WB, ICC, IHC-P
Positive Control	Human Jurkat and K562 cells. IHC-P: human spleen tissue sections
Format	Liquid
Size	100 µl
Buffer	Preservative: 0.05% Sodium azide; Constituents: 49% PBS, 50% Glycerol, 0.1% BSA
Preservative	0.05% Sodium Azide

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Storage	Store at -20°C. Stable for 12 months at -20°C

GENE INFORMATION

Gene Name	CASP3 caspase 3, apoptosis-related cysteine peptidase [Homo sapiens]
Official Symbol	CASP3
Synonyms	CASP3; caspase 3, apoptosis-related cysteine peptidase; caspase 3, apoptosis related cysteine protease; caspase-3; apopain; CPP32; CPP32B; Yama; CASP-3; CPP-32; procaspase3; protein Yama; PARP cleavage protease; cysteine protease CPP32; SREBP cleavage act
Entrez Gene ID	836
Protein Refseq	NP_004337
UniProt ID	P42574
Chromosome Location	4q34
Pathway	Activation of DNA fragmentation factor, organism-specific biosystem; Activation of caspases through apoptosome-mediated cleavage, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem;
Function	aspartic-type endopeptidase activity; cyclin-dependent protein kinase inhibitor activity; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity; peptidase activity; protein binding;

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