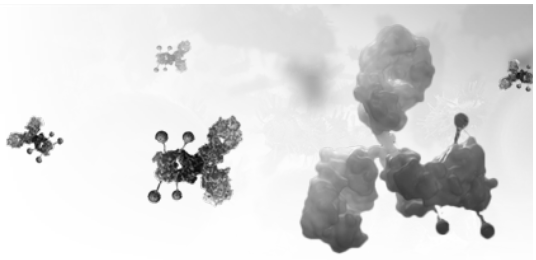

Anti-CASP3 monoclonal antibody, clone 2373DU632.390.202 (DCABY-1032)

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

PRODUCT INFORMATION

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. Triggers cell adhesion in sympathetic neurons through RET cleavage.
Specificity	Purified His-tagged CASP3 protein was used to produced this monoclonal antibody.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	2373DU632.390.202
Conjugate	Unconjugated
Applications	WB
Molecular Weight	31608 Da
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Size	50 µl, 100 µl, 200 µl
Preservative	0.09% Sodium Azide
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small

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	aliquots to prevent freeze-thaw cycles.
Ship	Blue ice

GENE INFORMATION

Gene Name	CASP3 caspase 3, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP3
Synonyms	CASP3; CPP32; Caspase-3; Caspase-3; Apopain; Caspase-3; Cysteine protease CPP32; Caspase-3; Protein Yama; Caspase-3; SREBP cleavage activity 1; Caspase-3 subunit p17; Caspase-3 subunit p12
Entrez Gene ID	836
Protein Refseq	NP_004337
UniProt ID	P42574
Chromosome Location	4q34
Pathway	AGE/RAGE pathway; Activation of DNA fragmentation factor; Activation of caspases through apoptosome-mediated cleavage; Alpha6-Beta4 Integrin Signaling Pathway; Alzheimer's disease; Alzheimers Disease; Amoebiasis; Amyotrophic lateral sclerosis (ALS);
Function	aspartic-type endopeptidase activity; cyclin-dependent protein serine/threonine kinase inhibitor activity; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic process; cysteine-type endopeptidase activity involved in execution phase of apoptosis; peptidase activity; protein binding

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