



Anti-CASP3 (aa 170-175) polyclonal antibody (DPABH-21315)

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.
Specificity	DPABH-21315 recognizes the end of the active form of human caspase-3, p20/p17 subunit but does not recognize the proenzyme p32.
Immunogen	Synthetic peptide corresponding to Human Caspase-3 aa 170-175.Sequence: CGIETD
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Purification	Whole antiserum
Conjugate	Unconjugated
Applications	WB, ELISA, ICC
Format	Liquid
Size	100 µl
Buffer	Constituent: 99% Whole serum
Preservative	0.05% Sodium Azide

Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	CASP3 caspase 4, apoptosis-related cysteine peptidase [Homo sapiens]
Official Symbol	CASP3
Synonyms	CASP3; caspase 3, apoptosis-related cysteine peptidase; CPP32; SCA-1; CPP32B; caspase-3; CASP-3; CPP-32; apopain; procaspase3; protein Yama; PARP cleavage protease; cysteine protease CPP32; SREBP cleavage activity 1; caspase 3, apoptosis-related cysteine protease;
Entrez Gene ID	836
Protein Refseq	NP_004337.2
UniProt ID	P42574
Pathway	AGE/RAGE pathway; Activation of caspases through apoptosome-mediated cleavage; Alzheimers disease; Alzheimers Disease
Function	aspartic-type endopeptidase activity; cyclin-dependent protein serine/threonine kinase inhibitor activity; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity