



Anti-Caspase-3 Antibody (Clone ABM11D3)

Alternative Names: Apopain, Cysteine protease CPP32, SREBP cleavage activity, SCA-1, Casp3, Cpp32

Catalogue Number: AA17-10023-100ug

Size: 100 µg

Background Information

Caspases are a member of the cysteine-aspartic acid protease family. Caspase-3 (31 kDa) is an executionary caspase which directly cleaves and activates poly(ADP-ribose) polymerase (PARP), sterol regulatory element binding proteins (SREBPs) or it can also interact with other caspases like caspase-6, -7 and -9.

Caspase-3 is the principal caspase in mediating the cleavage of amyloid-beta 4A precursor protein (APP), which is related with neuronal death in Alzheimer's disease. Like other caspases, caspase-3 is also synthesized as a zymogen procaspase which is activated by specific proteolytic cleavage. High levels of caspase-3 are observed in lung, spleen, heart, liver and kidney, moderate levels in brain and skeletal muscle, and low in testis. Increased levels of caspase-3 are involved in Huntington Disease-associated cell death.

Product Information

Antibody Type:	Monoclonal	Host:	Mouse
Isotype:	IgG1	Species Reactivity:	Human
Immunogen:	Full length recombinant Human Caspase-3		
Format:	100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	IHC FACS WB WB: 0.5-1 ug/ml, FACS: 0.5-1 ug/10 ⁶ , IHC: 5-10 ug/ml		

Additional Information

Subcellular location:	Cytoplasm	MW:	32kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	836	Uniprot ID:	P42574