



## Anti-Caspase-3 Antibody (Pro and Active) (Clone ABM1C12)

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

**Catalogue Number:** AA17-10022-100ug

**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

<b>Antibody Type:</b>	Monoclonal	<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1 kappa	<b>Species Reactivity:</b>	Mouse
<b>Immunogen:</b>	Full length recombinant Mouse Caspase-3		
<b>Format:</b>	100 µg in 100 µl PBS containing 0.05% BSA and 0.05% sodium azide.		
<b>Storage Conditions:</b>	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
<b>Applications:</b>	IHC   WB WB: 2-4 ug/ml, Immunohistochemical analysis: 5-10 ug/ml		

### Additional Information

<b>Subcellular location:</b>	Cytoplasm	<b>MW:</b>	32kDa (Intended as a general guide and does not allow for all isoforms and species variations)
<b>Gene ID</b>	12367	<b>Uniprot ID:</b>	P70677