

Product datasheet for **TA357784**

Casp3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of Mouse Casp3
Specificity:	Expected reactivity: Cow, Dog, Goat, Guinea Pig, Horse, Human, Pig, Rat, Sheep Homology: Cow: 100%; Dog: 93%; Goat: 93%; Guinea Pig: 85%; Horse: 92%; Human: 86%; Pig: 93%; Rat: 92%; Sheep: 93%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	31kDa
Gene Name:	caspase 3
Database Link:	NP_033940 Entrez Gene 12367 Mouse P70677



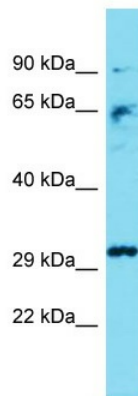
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Background:

Casp3 is 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, triggers cell adhesion in sympathetic neurons through RET cleavage, cleaves IL-1 beta between an Asp and an Ala, releasing the mature cytokine which is involved in a variety of inflammatory processes.

Synonyms:

apopain; CASP-3; CPP-32; CPP32; CPP32B; procaspase3; SCA-1; Yama

Product images:

Host: Rabbit
Target Name: Casp3
Sample Type: Mouse Liver lysates
Antibody Dilution: 1.0ug/ml