

#9746 Store at -20C

Caspase-8 (1C12) Mouse mAb



Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 18, 43, 57	Source/Isotype: Mouse IgG1	UniProt ID: #Q14790	Entrez-Gene Id: 841
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Product Usage Information	Application Western Blotting Immunoprecipitation	Dilution 1:1000 1:100
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	Caspase-8 (1C12) Mouse mAb detects endogenous levels of full length caspase-8 (57 kDa), the cleaved intermediate p43/p41 and the caspase-8 active fragment p18. This antibody does not cross-react with other caspases.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to the carboxy-terminal sequence of the p18 fragment of human caspase-8. Antibody is supplied in HEPES buffer with 50% glycerol and less than 0.02% sodium azide.	
Background	Apoptosis induced through the CD95 receptor (Fas/APO-1) and tumor necrosis factor receptor 1 (TNFR1) activates caspase-8 and leads to the release of the caspase-8 active fragments, p18 and p10 (1-3). Activated caspase-8 cleaves and activates downstream effector caspases such as caspase-1, -3, -6, and -7. Caspase-3 ultimately elicits the morphological hallmarks of apoptosis, including DNA fragmentation and cell shrinkage.	
Background References	1. Muzio, M. et al. (1996) <i>Cell</i> 85, 817-27. 2. Boldin, M.P. et al. (1996) <i>Cell</i> 85, 803-15. 3. Fernandes-Alnemri, T. et al. (1996) <i>Proc Natl Acad Sci U S A</i> 93, 7464-9.	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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