



**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

Store at -20C  
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## Cleaved Caspase-8 (Asp387) Antibody

**For Research Use Only. Not for Use in Diagnostic Procedures.**

<b>Applications:</b> W	<b>Reactivity:</b> M	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 18, 43	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #O89110	<b>Entrez-Gene Id:</b> 12370
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<b>Product Usage Information</b>	<b>Application</b> Western Blotting	<b>Dilution</b> 1:1000
<b>Storage</b>	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.	
<b>Specificity/Sensitivity</b>	Cleaved Caspase-8 (Asp387) Antibody detects endogenous levels of mouse and rat caspase-8 when cleaved at Asp387. This antibody will detect cleavage products containing the pro-domain with the p18 subunit (p43) as well as the p18 subunit alone.	
<b>Species predicted to react based on 100% sequence homology</b>	Rat	
<b>Source / Purification</b>	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues adjacent to the Asp387 cleavage site of rodent caspase-8. Antibodies were purified by protein A and peptide affinity chromatography.	
<b>Background</b>	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.	
<b>Background References</b>	<ol style="list-style-type: none"> <li>Muzio, M. et al. (1996) <i>Cell</i> 85, 817-27.</li> <li>Boldin, M.P. et al. (1996) <i>Cell</i> 85, 803-15.</li> <li>Fernandes-Alnemri, T. et al. (1996) <i>Proc Natl Acad Sci U S A</i> 93, 7464-9.</li> </ol>	
<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).	
<b>Western Blot Buffer</b>	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.	
<b>Applications Key</b>	<b>W:</b> Western Blotting	
<b>Cross-Reactivity Key</b>	<b>M:</b> Mouse	
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