



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 +4C
#12602

Cleaved Caspase-8 (Asp374) (18C8) Rabbit mAb (PE Conjugate)

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

Applications: FC-FP	Reactivity: H	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #Q14790	Entrez-Gene Id: 841
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Product Usage Information	Application Flow Cytometry (Fixed/Permeabilized)	Dilution 1:50
Storage	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. <i>Do not aliquot the antibodies. Protect from light. Do not freeze.</i>	
Specificity/Sensitivity	Cleaved Caspase-8 (Asp374) (18C8) Rabbit mAb (PE Conjugate) recognizes human caspase-8 when cleaved at Asp374 (isoform B, Asp391 on isoform A). This antibody detects cleavage products containing the pro-domain with the p18 subunit, as well as the p18 subunit alone.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues adjacent to Asp374 of human caspase-8 protein.	
Description	This Cell Signaling Technology antibody is conjugated to phycoerythrin (PE) and tested in-house for direct flow cytometry analysis in human cells. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated Cleaved Caspase-8 (Asp374) (18C8) Rabbit mAb #9496.	
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	<ol style="list-style-type: none"> Muzio, M. et al. (1996) <i>Cell</i> 85, 817-27. Boldin, M.P. et al. (1996) <i>Cell</i> 85, 803-15. 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).	
Applications Key	FC-FP: Flow Cytometry (Fixed/Permeabilized)	
Cross-Reactivity Key	H: Human	
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