

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

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

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 18, 41, 43	Source/Isotype: Rabbit IgG	UniProt ID: #Q14790	Entrez-Gene Id: 841
Product Usage Information	Application Western Blotting		Dilution 1:1000			
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	Cleaved Caspase-8 (Asp374) (18C8) Rabbit mAb detects human Caspase-8 when cleaved at Asp374. This antibody will detect cleavage products containing the pro-domain with the p18 subunit as well as the p18 subunit alone. A band of unknown origin is detected at 25 kDa in some cell lines.					
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues adjacent to Asp374 of human Caspase-8.					
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	W: Western Blotting
Cross-Reactivity Key	H: Human
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