

Caspase-8 (D35G2) Rabbit mAb

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

Applications: W, W-S	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 10, 57	Source/Isotype: Rabbit IgG	UniProt ID: #Q14790	Entrez-Gene Id: 841
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Product Usage Information	Application Western Blotting Simple Western™	Dilution 1:1000 1:50 - 1:250
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 (D35G2) Rabbit mAb detects endogenous levels of total caspase-8, including the p10 subunit of the activated protein. Caspase-8 (D35G2) Rabbit mAb may also cross-react with overexpressed levels of caspase-10.	
Species predicted to react based on 100% sequence homology	Pig	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxyl terminus of human caspase-8 protein.	
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"> 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 W-S: Simple Western™
Cross-Reactivity Key	H: Human M: Mouse R: Rat
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