

bsm-52690R**[Primary Antibody]****BioSS**
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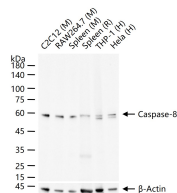
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Caspase-8 Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Recombinant	CloneNo.: 1A14	Reactivity: Human, Mouse, Rat
GeneID: 841	SWISS: Q14790	
Target: Caspase-8		
Immunogen: A synthesized peptide derived from human Caspase 8: 385-435/479.		Predicted MW.: 55 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cytoplasm
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Caspases are cysteine proteases, expressed as inactive precursors, that mediate apoptosis by proteolysis of specific substrates. Caspases have the ability to cleave after aspartic acid residues. There are two classes of caspases involved in apoptosis; initiators (activation by receptor cluster) and effectors (activation by mitochondrial permeability transition). Proapoptotic signals autocatalytically activate initiator caspases, such as Caspase 8 and Caspase 9. Activated initiator caspases then process effector caspases, such as Caspase 3 and Caspase 7, which in turn cause cell collapse.		

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with Caspase-8 monoclonal antibody, unconjugated (bsm-52690R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

— SELECTED CITATIONS —

- **[IF=4.8]** Tingji Yang. et al. Targeted Regulation of HSP70 by the ARP2/3 Complex in Mammary Epithelial Cells and Its Impact on Host Cell Apoptosis. BIOMOLECULES. 2025 Apr;15(4):538 WB ;Bovine,Mouse. 40305275
- **[IF=1.4]** Muhammad Abid Hayat. et al. Enhanced apoptosis in damaged laminar tissue of acute laminitis induced by oligofructose overload in dairy cows. VET IMMUNOL IMMUNOP. 2025 Jun;284:110935 WB ;Cow. 40233496