

bsm-33190M**[Primary Antibody]****BioSS**
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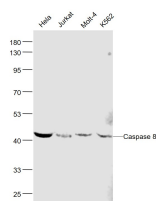
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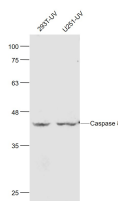
400-901-9800

Caspase 8 Mouse mAb**DATASHEET**

Host: Mouse Clonality: Monoclonal GeneID: 841 Target: Caspase 8 Purification: affinity purified by Protein G Concentration: 1mg/ml Storage: Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	Isotype: IgG CloneNo.: 4G12 SWISS: Q14790	Applications: WB (1:2000-5000) Reactivity: Human, Mouse (predicted: Rat) Predicted MW.: 43/57 kDa Subcellular Location: Cytoplasm
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

Sample: HeLa(Human) Cell Lysate at 30 ug
Jurkat(Human) Cell Lysate at 30 ug
Molt-4(Human) Cell Lysate at 30 ug
K562(Human) Cell Lysate at 30 ug Primary: Anti-Caspase 8 (bsm-33190M) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41'43'55 kD Observed band size: 43 kD



Sample: 293T-UV(Human) Cell Lysate at 30 ug
U251-UV(Human) Cell Lysate at 30 ug Primary: Anti-Caspase 8 (bsm-33190M) at 1/4000 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 41' 43' 55 kD Observed band size: 43 kD

SELECTED CITATIONS

- **[IF=5.89]** Rentao Zhang. et al. Anti-Gastric Cancer Activity of the Cell-free Culture Supernatant of Serofluid Dish and Lactiplantibacillus plantarum YT013. FRONT BIOENG BIOTECH. 2022; 10: 898240 WB ;Human. 35677304
- **[IF=6.291]** Peng Zheng. et al. Alleviative effect of melatonin on the decrease of uterine receptivity caused by blood ammonia through ROS/NF-κB pathway in dairy cow. Ecotox Environ Safe. 2022 Feb;231:113166 WB ;Bovine. 35030520
- **[IF=5.123]** Rentao Zhang. et al. Exopolysaccharide from Lactiplantibacillus plantarum YT013 and Its Apoptotic Activity on Gastric Cancer AGS Cells. Fermentation-Basel. 2023 Jun;9(6):539 WB ;Human. 10.3390/fermentation9060539
- **[IF=5.016]** Min-Lin He. et al. Screening and characterization of a novel efficient tumor cell-targeting peptide derived

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from insulin-like growth factor binding proteins. J DRUG TARGET. 2023 Mar 28 WB ;Human. 36974745

- **[IF=4.8]** Yan Chen. et al.PTGS2/GRP78 Activation Triggers Endoplasmic Reticulum Stress Leading to Lipid Metabolism Disruption and Cell Apoptosis, Exacerbating Damage in Bovine Mastitis.BIOMOLECULES.2024 Nov 29;14(12):1533. Western blot ;Bovine. 39766240