
Caspase 8 Mouse mAb

Catalog Number: bsm-33190M

Target Protein: Caspase 8

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 4G12

Isotype: IgG

Applications: WB (1:2000-5000)

Reactivity: Human, Mouse (predicted:Rat)

Predicted MW: 43/57 kDa

Detected MW: 43 kDa

Subcellular Cytoplasm

Locations:

Entrez Gene: 841

Swiss Prot: Q14790

Purification: affinity purified by Protein G

Storage: Size : 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Size : 200ug (PBS only)

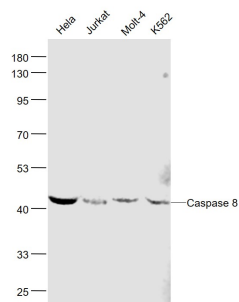
0.01M PBS

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

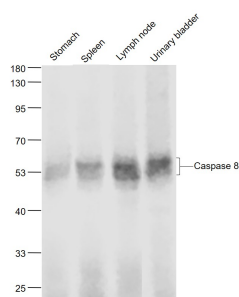
Background: Caspases are cysteine proteases, expressed as inactive precursors, that mediate apoptosis by proteolysis of specific substrates. Caspases have the ability to cleave after aspartic acid residues. There are two classes of caspases involved in apoptosis; initiators (activation by receptor cluster) 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.

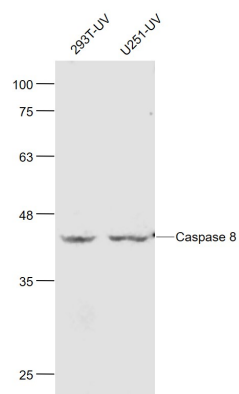
VALIDATION IMAGES



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: Stomach(Mouse) Lysate at 40 ug Spleen(Mouse) Lysate at 40 ug Lymph node(Mouse) Lysate at 40 ug Urinary bladder(Mouse) Lysate at 40 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: 55'53D



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

PRODUCT SPECIFIC PUBLICATIONS

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

[IF=5.162] Serag Eldin I. Elbehairi. et al. Chitosan nano-vehicles as biocompatible delivering tools for a new Ag(I)curcuminoid-Gboxin analog complex in cancer and inflammation therapy. Int J Biol Macromol. 2020 Dec;165:2750 WB ; Human . 10.1016/j.ijbiomac.2020.10.153