bsm-54491R

[Primary Antibody]

phospho-ERK1/ERK2(phospho-T202/T185) Recombinant Rabbit mAb



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DATASHEET -

Host: Rabbit Isotype: IgG Clonality: Recombinant CloneNo.: 6H2 **GenelD: 5594 SWISS:** P27361

Target: ERK1/ERK2(phospho-T202/T185)

Immunogen: A synthesized peptide derived from human ERK1 around the

phosphorylation site of T202: FL-pT-EY.

Purification: affinity purified by Protein A

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: The protein encoded by this gene is a member of the MAPkinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to avariety of extracellular signals. This kinase is activated byupstream kinases, resulting in its translocation to the nucleuswhere it phosphorylates nuclear targets. Alternatively splicedtranscript variants encoding different protein isoforms have beendescribed. [provided by RefSeq, Jul 2008].

Applications: WB (1:500-2000)

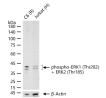
IHC-P (1:50-200) IHC-F (1:50-200) **IF** (1:50-200) Flow-Cyt (1:50-100) ICC/IF (1:50-200)

Reactivity: Human, Mouse, Rat

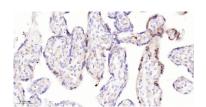
Predicted MW.: 41 kDa

Subcellular Nucleus Location:

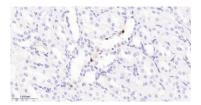
VALIDATION IMAGES



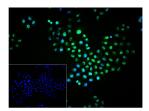
25 ug total protein per lane of various lysates (see on figure) probed with phospho-ERK1 (Thr202)+ ERK2 (Thr185) monoclonal antibody. unconjugated (bsm-54491R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



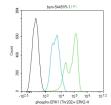
Paraformaldehyde-fixed, paraffin embedded Human Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-ERK1 (Thr202)+ ERK2 (Thr185) Monoclonal Antibody. Unconjugated (bsm-54491R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



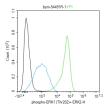
Paraformaldehyde-fixed, paraffin embedded Rat Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min: The section was incubated with phospho-ERK1 (Thr202)+ ERK2 (Thr185) Monoclonal Antibody, Unconjugated (bsm-54491R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed Hela (treated with 200 ng/ml PMA for 30 minutes) (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (phospho-ERK1 (Thr202)+ ERK2 (Thr185)) monoclonal Antibody, unconjugated (bsm-54491R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody



The Hela (treated with 200 ng/ml PMA for 30 minutes) (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% icecold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.).Primary Antibody (green):Rabbit Anti-



The Jurkat (treated with 200 ng/ml PMA for 30 minutes) (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% icecold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.).Primary Antibody (green):Rabbit Anti(green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

phospho-ERK1 (Thr202)+ ERK2 (Thr185 antibody (bsm-54491R,1:100); Secondary Antibody (white blue): Goat anti-Rabbit IgG-BF488 (bs-60295G-BF488):1µg/test.Blank control (black): PBS.
Acquisition of 20,000 events was performed.

phospho-ERK1 (Thr202)+ ERK2 (Thr185 antibody (bsm-54491R,1:100); Secondary Antibody (white blue): Goat anti-Rabbit IgG-BF488 (bs-60295G-BF488):1µg/test.Blank control (black): PBS.
Acquisition of 20,000 events was performed.

- SELECTED CITATIONS -

- [IF=5.6] Myeongjoo Son. et al. Olive Flounder By-Product Prozyme2000P Hydrolysate Ameliorates Age-Related Kidney Decline by Inhibiting Ferroptosis. INT J MOL SCI. 2024 Jan;25(9):4668 WB ;Mouse. 38731887
- [IF=4.2] Xiaohan Gao. et al. Dietary Supplement With Tribulus terrestris L. Extract Exhibits Protective Effects on Neuroinflammation. MOL NUTR FOOD RES. 2025 Jun;:e70006 WB; Mouse. 40583320