

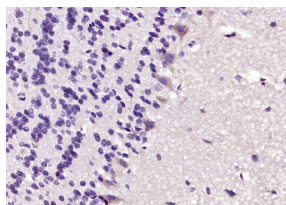
bs-1020R**[Primary Antibody]****ERK1 Rabbit pAb****Bioss**
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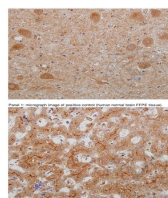
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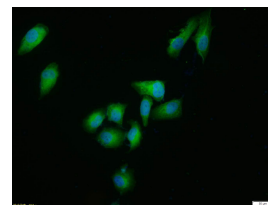
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5594**SWISS:** P27361**Target:** ERK1**Immunogen:** KLH conjugated synthetic peptide derived from human MAPK1: 101-200/380.**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 a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described. [provided by RefSeq, Jul 2008].**Applications:** IHC-P (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**ICC/IF** (1:100)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 43 kDa**Subcellular Location:** Nucleus**— VALIDATION IMAGES —**

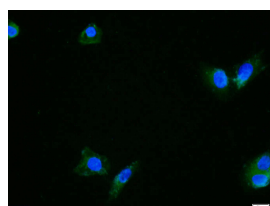
Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ERK1) Polyclonal Antibody, Unconjugated (bs-1020R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



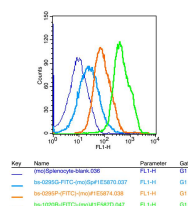
Images provided by the Independent Validation Program (badge number 029731) Formalin-fixed and paraffin embedded human brain (panel 1) and human liver (panel 2) labeled with Rabbit Anti-ERK1 Polyclonal Antibody (bs-1020R) at 1:250 overnight at room temperature followed by conjugation to secondary antibody.



Tissue/cell: HUVEC cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (ERK1) polyclonal Antibody, Unconjugated (bs-1020R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Tissue/cell: HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation



Blank control: mouse splenocytes (blue) Isotype Control Antibody: Rabbit IgG (orange); Secondary Antibody: Goat anti-rabbit IgG-FITC (white blue), Dilution: 1:100 in 1 X PBS

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

with (ERK1) polyclonal Antibody, Unconjugated (bs-1020R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

containing 0.5% BSA ; Primary Antibody Dilution: 1µl in 100 µL1X PBS containing 0.5% BSA(green).

— SELECTED CITATIONS —

- **[IF=9.995]** Yuqiu Xu. et al. Tumor-infiltrated activated B cells suppress liver metastasis of colorectal cancers. CELL REP. 2022 Aug;40:111295 FCM ;Mouse. 36044847
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- **[IF=5.285]** Huawei Liu. et al. Integrated multi-omics reveals the beneficial role of chlorogenic acid in improving the growth performance and immune function of immunologically-stressed broilers. ANIM NUTR. 2023 May;; WB ;Chicken. 10.1016/j.aninu.2023.05.009
- **[IF=2.97]** Li, Lingrui, et al. "Nrf2/ARE pathway activation, HO-1 and NQO1 induction by polychlorinated biphenyl quinone is associated with reactive oxygen species and PI3K/AKT signaling." Chemico-Biological Interactions (2013). WB ;="Human". 24361488
- **[IF=3.038]** Oyagbemi AA et al. Quercetin attenuates hypertension induced by sodium fluoride via reduction in oxidative stress and modulation of HSP 70/ERK/PPARγ signaling pathways. (2018) Sep 03 IHC ;Rat. 30171731