bs-3292R **[Primary Antibody]**

phospho-ERK1 (Thr197 + Thr202) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5594 **SWISS:** P27361

Target: ERK1 (Thr197 + Thr202)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human ERK1 around the phosphorylation site of Thr197/Thr202: DH(p-T)GFL(p-T)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 extracellularsignal-regulated kinases (ERKs), act in a signaling cascade thatregulates 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 (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Cow, Chicken, Dog, GuineaPig, Horse)

Predicted MW.: 41 kDa

Subcellular Location: Nucleus

SELECTED CITATIONS

- **[IF=5.23]** Zhao, Yong, et al. "Hydrogen Sulfide and/or Ammonia Reduces Spermatozoa Motility through AMPK/AKT Related Pathways." Scientific Reports 6 (2016): 37884. WB ;="Pig". 27883089
- **[IF=5.168]** Qu et al. Exosomal miR-665 as a novel minimally invasive biomarker for hepatocellular carcinoma diagnosis and prognosis. (2017) Oncotarget. 8:80666-80678 IHC ;Mouse. 29113334
- **[IF=5.2]** Yong Wei. et al. Network pharmacology and experimental evaluation strategies to decipher the underlying pharmacological mechanism of Traditional Chinese Medicine CFF-1 against prostate cancer. AGING-US. 2024 Mar 31; 16(6): 5387–5411 WB ;Human. 38484140
- **[IF=3.86]** Chu, Meiqiang, et al. "MicroRNA-126 participates in lipid metabolism in mammary epithelial cells." Molecular and Cellular Endocrinology (2017). WB ;="Human". 28599789
- **[IF=4.478]** Dan-Ping Xie. et al. Peroxiredoxin 5 protects HepG2 cells from ethyl β-carboline-3-carboxylate-induced cell death via ROS-dependent MAPK signalling pathways. J CANCER. 2022 Sep 6;13(11):3258-3267 WB ;Human. 36118528