| e at -20C | p44/42 MAPK (Erk1/2) Antibody | | ell Signaling |
|-----------|-------------------------------|----------------------------|--|
| Store | | Orders: | 877-616-CELL (2355) orders@cellsignal.com |
|)2 | | Support: | 877-678-TECH (8324) |
| #9102 | | Web: | info@cellsignal.com cellsignal.com |
| # | | 3 Trask Lane Danvers M | assachusetts 01923 USA |

| For Research Use Onl | y. Not for Use in Diag | nostic Procedures. |
|----------------------|------------------------|--------------------|

| Applications: WB, IP | Reactivity H M R Hm M Z B Pg S | Ák Mi End | nsitivity: logenous | MW (kDa): 42, 44 | Source: Rabbit | UniProt ID: #P27361, #P28482 | Entrez-Gene Id: 5595, 5594 |
|------------------------------|--|--|--|---|---|--|---|
| Product Usage Information | | Application Western Blotting Immunoprecipitation | | Dilution 1:1000 1:50 | | | |
| Storage | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody. | | | | | | |
| Specificity / Sen | sitivity | , protein. In s | some cell type | | cognizes p44 MA | of total p44/42 MAP kinase (PK more readily than p42 M inase. | · · · |
| Source / Purification | | Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to a sequence in the C-terminus of rat p44 MAP Kinase. Antibodies are purified by protein A and peptide affinity chromatography. | | | | | |
| Background | | kinases inv The p44/42 extracellula consider it a three-part p MAP3K), a have been are the prim phosphoryla downstream (8,9). p44/4 | olved in many MAPK (Erk1 ar stimuli, inclu an important protein kinase MAP kinase identified, inc mary MAPKKs ation of activa n targets of p 2 are negativ | y cellular programs /2) signaling pathy uding mitogens, gr target in the diagn cascade is initiate kinase (MAPKK or luding members o s in this pathway (5 ation loop residues 44/42 have been i rely regulated by a | s, such as cell prol vay can be activate owth factors, and osis and treatment ed, consisting of a MAP2K), and a M f the Raf family, as 5,6). MEK1 and MI 5 Thr202/Tyr204 ar dentified, including family of dual-spe | served family of serine/three iferation, differentiation, mo ed in response to a diverse cytokines (1-3), and researc t of cancer (4). Upon stimula MAP kinase kinase kinase (MAP kinase (MAPK). Multiple s well as Mos and Tpl2/COT EK2 activate p44 and p42 th d Thr185/Tyr187, respective p90RSK (7) and the transo cificity (Thr/Tyr) MAPK phose U0126 and PD98059. | tility, and death. range of ch investigators ation, a sequential (MAPKKK or e p44/42 MAP3Ks . MEK1 and MEK2 mough ely. Several cription factor Elk-1 |
| Background Ref | | Baccarini Meloche, Roberts, Rubinfeld Murphy, I Dalby, K. Marais, F Kortenjar | i, M. (2005) F , S. and Pouy P.J. and Der, d, H. and Seg L.O. and Bler N. et al. (1993 an, M. et al. (1 | J. (2004) Microbid EBS Lett 579, 327 rsségur, J. (2007) (C.J. (2007) Onco er, R. (2005) Mol I nis, J. (2006) Trend 8) J Biol Chem 27 2) Cell 73, 381-93. 1994) Mol Cell Bio se, S.M. (2007) Ou | 71-7. Dncogene 26, 322 gene 26, 3291-310 Biotechnol 31, 151 Is Biochem Sci 31 3, 1496-505. I 14, 4815-24. | 7-39.). -74. , 268-75. | |
| Species Reactiv | ity | Species read | ctivity is deter | rmined by testing i | n at least one appl | roved application (e.g., wes | tern blot). |
| Western Blot Bu | | | | n blots, incubate m with gentle shaking | | ted primary antibody in 5% | w/v BSA, 1X TBS, |
| Applications Ke | WB: Western Blotting IP: Immunoprecipitation | | | | | | |

| 3/23/24, 11:31 AM Cross-Reactivity Key | p44/42 MAPK (Erk1/2) Antibody (#9102) Datasheet Without Images Cell Signaling Technology H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected | | | |
|---|--|--|--|--|
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