| Phospho-EphA2 (Tyr772) Antibody | | | | | | |
|------------------------------------|--------------------|----------------------------|-------------------------|-------------------|------------------------|--|
| Store | | | | | Orders: | 877-616-CELL (2355) orders@cellsignal.com |
| 44 | | | | | Support: | 877-678-TECH (8324) |
| #8244 | | | | | Web: | info@cellsignal.com cellsignal.com |
| # | | | | 3 Trask | Lane Danvers Mas | sachusetts 01923 USA |
| For Research Use On | ly. Not for Use in | Diagnostic Proc | edures. | | | |
| Applications: WB, IP | Reactivity: H | Sensitivity: Endogenous | MW (kDa): 125 | Source: Rabbit | UniProt ID: #P29317 | Entrez-Gene Id: 1969 |

| 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 aliguot the antibody. | | |
| Specificity / Sensitivity | Phospho-EphA2 (Tyr772) Antibody recognizes endogenous levels of EphA2 protein only when phosphorylated at Tyr772. This antibody may cross-react with other overexpressed phosphotyrosine proteins. | | |
| Species predicted to react based on 100% sequence homology: | Mouse, Rat, Monkey | | |
| Source / Purification | , , , , | animals with a synthetic phosphopeptide corresponding Antibodies are purified by protein A and peptide affinity | |
| Background | into two groups based on sequence similarity and or receptors bind to a glycosylphosphatidylinositol-an proteins that have a transmembrane and cytoplasm receptors and ligands may be involved in many dist have dual functions. As RTK ligands, ephrins stimusignaling pathways in receptor-expressing cells. The function as long as it is clustered (4). The second f signaling", whereby the cytoplasmic domain becom other proteins that may activate signaling pathways induce tyrosine phosphorylation of ephrin B, includ and stimulation by PDGF and FGF (6). Tyr324 and sites of ephrin B1 <i>in vivo</i> (7). Phosphorylation of Tyr772 on EphA2 was identified. | achored ephrin A ligand; EphB receptors bind to ephrin B mic domain (1,2). Research studies have shown that Eph seases including cancer (3). Both ephrin A and B ligands ulate the kinase activity of Eph receptors and activate he ephrin extracellular domain is sufficient for this function of ephrins has been described as "reverse mes tyrosine phosphorylated, allowing interactions with is in the ligand-expressing cells (5). Various stimuli can ling binding to EphB receptors, activation of Src kinase, d Tyr327 have been identified as major phosphorylation | |
| Background References | ackground References 1. Wilkinson, D.G. (2000) Int Rev Cytol 196, 177-244. 2. Klein, R. (2001) Curr Opin Cell Biol 13, 196-203. 3. Dodelet, V.C. and Pasquale, E.B. (2000) Oncogene 19, 5614-9. 4. Holder, N. and Klein, R. (1999) Development 126, 2033-44. 5. Brückner, K. et al. (1997) Science 275, 1640-3. 6. Palmer, A. et al. (2002) Mol Cell 9, 725-37. 7. Kalo, M.S. et al. (2001) J Biol Chem 276, 38940-8. 8. Rush, J. et al. (2005) Nat Biotechnol 23, 94-101. 9. Fang, W.B. et al. (2008) J Biol Chem 283, 16017-16026. | | |

Species Reactivity

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Species reactivity is determined by testing in at least one approved application (e.g., western blot).

| 1/1/24, 10:35 AM Western Blot Buffer | Phospho-EphA2 (Tyr772) Antibody (#8244) Datasheet Without Images Cell Signaling Technology IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. |
|---|--|
| Applications Key | WB: Western Blotting IP: Immunoprecipitation |
| Cross-Reactivity Key | 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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