## Phospho-EphA2 (Tyr772) Antibody



...



| Orders:  | 877-616-CELL (2355)<br>orders@cellsignal.com |
|----------|--|
| Support: | 877-678-TECH (8324)                          |
| Web:     | info@cellsignal.com<br>cellsignal.com        |

\_

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

---

.....

For Research Use Only. Not for Use in Diagnostic Procedures.

. . .

| Applications:<br>W, IP                      | Reactivity:<br>H | <b>Sensitivity:</b><br>Endogenous  | <b>MW (kDa):</b><br>125  | <b>Source/Isotype:</b><br>Rabbit  | UniProt ID:<br>#P29317  | Entrez-Gene Id:<br>1969   |
|---|------------------|--|--|---|---|---|
| Product Usage<br>Information                |                  | Application<br>Western Blotting<br>Immunoprecipitation   |  |   | <b>Dilution</b><br>1:1000<br>1:50   |   |
| Storage                                     |                  | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at –<br>20°C. Do not aliquot the antibody.   |  |   |   |   |
| Specificity/Sen                             | sitivity         |  |  | nizes endogenous levels<br>may cross-react with oth   |   |   |
| Species predic<br>based on 100%<br>homology |                  | Mouse, Rat, Monkey   |  |   |   |   |
| Source / Purifi                             | cation           |  | lues surrounding T   | munizing animals with a<br>yr772 of human EphA2.  |   |   |
| Background                                  |                  | into two groups based<br>receptors bind to a gly<br>ephrin B proteins that<br>shown that Eph recept<br>ephrin A and B ligands<br>receptors and activate<br>is sufficient for this fur<br>described as "reverse s<br>allowing interactions w<br>cells (5). Various stimul<br>receptors, activation o<br>identified as major pho<br>Phosphorylation of Tyr | on sequence simil<br>cosylphosphatidyli<br>have a transmemb<br>ors and ligands ma<br>have dual function<br>signaling pathway<br>nction as long as it<br>signaling", whereb<br>vith other proteins<br>it can induce tyrosi<br>f Src kinase, and st<br>osphorylation sites<br>772 on EphA2 was<br>" LC-MS/MS platfor | family of receptor tyrosi<br>arity and on their prefer<br>nositol-anchored ephrin<br>orane and cytoplasmic do<br>ay be involved in many d<br>ns. As RTK ligands, ephri<br>rs in receptor-expressing<br>is clustered (4). The secc<br>y the cytoplasmic domai<br>that may activate signal<br>ne phosphorylation of e<br>imulation by PDGF and F<br>of ephrin B1 <i>in vivo</i> (7).<br>identified at Cell Signali<br>m for phosphorylation s<br>(9). | ence for a subset o<br>A ligand; EphB rec<br>omain (1,2). Researd<br>iseases including c<br>ns stimulate the kir<br>cells. The ephrin e<br>ond function of eph<br>n becomes tyrosine<br>ing pathways in the<br>phrin B, including b<br>GF (6). Tyr324 and<br>ng Technology (CS1 | f ligands: EphA<br>eptors bind to<br>th studies have<br>ancer (3). Both<br>hase activity of Eph<br>xtracellular domain<br>rins has been<br>phosphorylated,<br>e ligand-expressing<br>inding to EphB<br>Tyr327 have been |
| Background R                                | eferences        | 1. Wilkinson, D.G. (200<br>2. Klein, R. (2001) <i>Curr</i><br>3. Dodelet, V.C. and Pa<br>4. Holder, N. and Klein,<br>5. Brückner, K. et al. (19<br>6. Palmer, A. et al. (200<br>7. Kalo, M.S. et al. (200<br>8. Rush, J. et al. (200<br>9. Fang, W.B. et al. (200  | Opin Cell Biol 13, 1<br>squale, E.B. (2000)<br>R. (1999) Develop,<br>997) Science 275, 1<br>2) Mol Cell 9, 725-3<br>1) J Biol Chem 276,<br>Nat Biotechnol 23,  | 96-203.<br><i>Oncogene</i> 19, 5614-9.<br><i>ment</i> 126, 2033-44.<br>640-3.<br>37.<br>38940-8.<br>94-101.   |   |   |
| Species Reacti                              | vity             | Species reactivity is de   | termined by testin   | g in at least one approve   | d application (e.g.,  | western blot).  |
| Western Blot E                              | Buffer           | IMPORTANT: For weste<br>TBS, 0.1% Tween® 20 a  |  | membrane with diluted<br>shaking, overnight.  | primary antibody ii   | ר 5% w/v BSA, 1X  |
| Applications K                              | ey               | W: Western Blotting IP   | : Immunoprecipita  | ation   |   |   |

- --- - --

| Cross-Reactivity Key   | H: Human  |
|------------------------|---|
| Trademarks and Patents | Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.<br>All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for<br>more information.   |
| Limited Uses           | Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.   |
|                        | Products are labeled with For Research Use Only or a similar labeling statement and have not been<br>approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any<br>purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in<br>any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for<br>Customer as the end-user and solely for research and development uses. Any use of Product for<br>diagnostic, prophylactic or therapeutic purpose, or any purchase of Product for resale (alone or as a<br>component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not<br>sell, license, loan, donate or otherwise transfer or make available any Product to any third party,<br>whether alone or in combination with other materials, or use the Products to manufacture any<br>commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise<br>attempt to discover the underlying structure or technology of the Products, or use the Products for the<br>purpose of developing any products or services that would compete with CST products or services, (c)<br>not alter or remove from the Products solely in accordance with CST Product Terms of Sale and any<br>applicable documentation, and (e) comply with any license, terms of service or similar agreement with<br>respect to any third party products or services used by Customer in connection with the Products. |