

## Rabbit EPHB1/2 Polyclonal Antibody | anti-EPHB1/2 antibody

Rabbit anti-EPHB1/2 (pY594/604) Antibody

|                               |                       |                                                 |                                                         |
|-------------------------------|-----------------------|-------------------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA221368</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat, Chicken</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|-------------------------------------------------|---------------------------------------------------------|

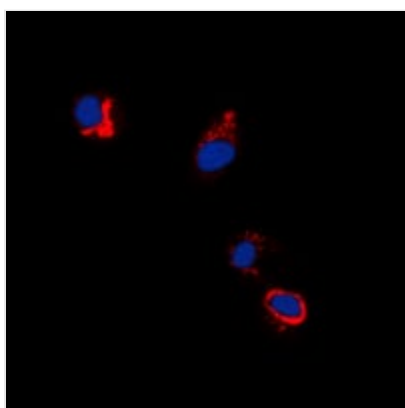
### PRODUCT SYNONYMS

EPHB1/2; Polyclonal Antibody; Rabbit anti-EPHB1/2 (pY594/604) Antibody; EPHB1; ELK; EPHT2; HEK6; NET; Ephrin type-B receptor 1; EPH tyrosine kinase 2; EPH-like kinase 6; EK6; hEK6; Neuronally-expressed EPH-related tyrosine kinase; Tyrosine-protein kinase receptor EPH-2; EPHB2; DRT; EPHT3; EPTH3; ERK; HEK5; TYRO5; Ephrin type-B receptor 2; Developmentally-regulated Eph-related tyrosine kinase; ELK-related tyrosine kinase; EPH tyrosine kinase 3; EPH-like kinase 5; EK5; hEK5; Renal carcinoma antigen NY-REN-47; Tyrosine-protein kinase TYRO5; Tyrosine-protein kinase receptor EPH-3; anti-EPHB1/2 antibody

### PRODUCT SPECIFICATIONS

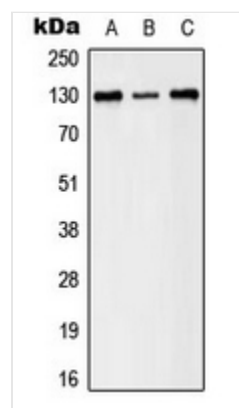
|                                                   |                                                                                                                                                    |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                             |
| Reactivity                                        | Human, Mouse, Rat, Chicken                                                                                                                         |
| Clonality                                         | Polyclonal                                                                                                                                         |
| Purity/Purification                               | The antibody was purified by immunogen affinity chromatography.                                                                                    |
| Form/Format                                       | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                          |
| Concentration                                     | 1mg/mL (varies by lot)                                                                                                                             |
| Applicable Applications for anti-EPHB1/2 antibody | IC (Immunochemistry), IF (Immunofluorescence), WB (Western Blot)                                                                                   |
| Immunogen                                         | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EPHB1/2 (pY594/604). The exact sequence is proprietary. |
| Preparation and Storage                           | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                                          |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of EPHB1/2 (pY594/604) staining in A431 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### WB (Western Blot)

Western blot analysis of EPHB1/2 (pY594/604) expression in A431 (A), HeLa (B), NIH3T3 (C) whole cell lysates.

ADDITIONAL INFORMATION

|                                                     |                    |
|-----------------------------------------------------|--------------------|
| Product Categories/Family for anti-EPHB1/2 antibody | Primary antibodies |
|-----------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4758284                                                                                                                                                                                    |
| NCBI GeneID                      | 2047                                                                                                                                                                                       |
| NCBI Accession #                 | NP_004432.1                                                                                                                                                                                |
| NCBI GenBank Nucleotide #        | NM_004441.4                                                                                                                                                                                |
| UniProt Accession #              | P54762; P29323; Q8CBF3; P54763; P09759                                                                                                                                                     |
| Molecular Weight                 | 109,885 Da                                                                                                                                                                                 |
| NCBI Official Full Name          | ephrin type-B receptor 1                                                                                                                                                                   |
| NCBI Official Synonym Full Names | EPH receptor B1                                                                                                                                                                            |
| NCBI Official Symbol             | EPHB1                                                                                                                                                                                      |
| NCBI Official Synonym Symbols    | ELK; NET; Hek6; EPHT2                                                                                                                                                                      |
| NCBI Protein Information         | ephrin type-B receptor 1; EK6; EPH-like kinase 6; eph tyrosine kinase 2; soluble EPHB1 variant 1; tyrosine-protein kinase receptor EPH-2; neuronally-expressed EPH-related tyrosine kinase |
| UniProt Protein Name             | Ephrin type-B receptor 1                                                                                                                                                                   |
| UniProt Gene Name                | EPHB1                                                                                                                                                                                      |
| UniProt Synonym Gene Names       | ELK; EPHT2; HEK6; NET; EK6; hEK6; NET                                                                                                                                                      |
| UniProt Entry Name               | EPHB1_HUMAN                                                                                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/ephb1-2-antibody-immunochemistry-immunofluorescence-western-blot-elisa/221368>