

## Rabbit anti-Human, Mouse EPHA2/3/4 Polyclonal Antibody | anti-EPHA2/3/4 antibody

EPHA2/3/4 (Phospho-Tyr588/596) Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                     |
|-----------|--------|--------------|----------------------------------|
| AAA301787 | Rabbit | Human, Mouse | Immunofluorescence, Western Blot |

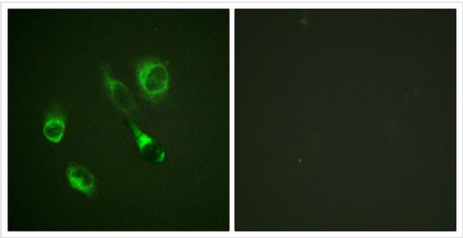
### PRODUCT SYNONYMS

EPHA2/3/4; Polyclonal Antibody; EPHA2/3/4 (Phospho-Tyr588/596) Antibody; ECK; MPK-5; SEK2; kinase EphA2; anti-EPHA2/3/4 antibody

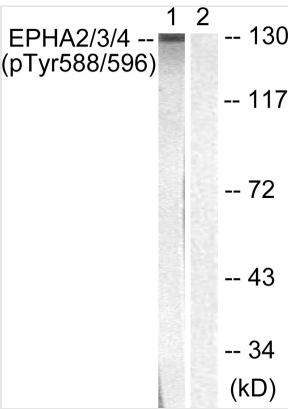
### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                | Rabbit                                                                                                                                                                                                                                                           |
| Reactivity                                          | Human, Mouse                                                                                                                                                                                                                                                     |
| Clonality                                           | Polyclonal                                                                                                                                                                                                                                                       |
| Specificity                                         | The antibody detects endogenous levels of EPHA2/3/4 only when phosphorylated at tyrosine 588/596                                                                                                                                                                 |
| Purity/Purification                                 | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using |
| Form/Format                                         | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                               |
| Concentration                                       | 1.0 mg/ml (varies by lot)                                                                                                                                                                                                                                        |
| Sequence Length                                     | 976                                                                                                                                                                                                                                                              |
| Applicable Applications for anti-EPHA2/3/4 antibody | IF (Immunofluorescence), WB (Western Blot)                                                                                                                                                                                                                       |
| Immunogen Type                                      | Peptide-KLH                                                                                                                                                                                                                                                      |
| Immunogen Description                               | Peptide sequence around phosphorylation site of tyrosine 588/596 (K-T-Y(p)-V-R)/(R-T-Y(p)-V-D) derived from Human EPHA2/3/4.                                                                                                                                     |
| Modification                                        | Phospho-Tyr588/596                                                                                                                                                                                                                                               |
| Target Name                                         | EPHA2/3/4                                                                                                                                                                                                                                                        |
| Preparation and Storage                             | Store at -20 degree C/1 year                                                                                                                                                                                                                                     |

IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence staining of methanol-fixed HeLa cells using EPHA2/3/4 (Phospho-Tyr588/596) Antibody.



**WB (Western Blot)**  
Western blot analysis of extracts from HepG2 cells using EPHA2/3/4 (Phospho-Tyr588/596) Antibody. The lane on the right is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-EPHA2/3/4 antibody | Receptor tyrosine kinase which binds promiscuously membrane-bound ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Activated by the ligand ephrin-A1/EFNA1 regulates migration, integrin-mediated adhesion, proliferation and differentiation of cells. Regulates cell adhesion and differentiation through DSG1/desmoglein-1 and inhibition of the ERK1/ERK2 (MAPK3/MAPK1, respectively) signaling pathway. Lindberg R.A., Mol. Cell. Biol. 10:6316-6324(1990).Zhang Y., Mol. Cell. Proteomics 4:1240-1250(2005).Zhuang G., J. Biol. Chem. 282:2683-2694(2007) |
| Product Categories/Family for anti-EPHA2/3/4 antibody   | Phospho-specific Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                 |
|----------------------------------|---------------------------------|
| NCBI GI #                        | 32967311                        |
| NCBI GeneID                      | 1969                            |
| NCBI Accession #                 | NP_004422.2                     |
| NCBI GenBank Nucleotide #        | NM_004431.3                     |
| UniProt Accession #              | P29317; Q8N3Z2; B5A968          |
| Molecular Weight                 | 54,305 Da                       |
| NCBI Official Full Name          | ephrin type-A receptor 2        |
| NCBI Official Synonym Full Names | EPH receptor A2                 |
| NCBI Official Symbol             | EPHA2                           |
| NCBI Official Synonym Symbols    | ECK; CTPA; ARCC2; CTPP1; CTRCT6 |
| NCBI Protein Information         | ephrin type-A receptor 2        |
| UniProt Protein Name             | Ephrin type-A receptor 2        |
| UniProt Gene Name                | EPHA2                           |
| UniProt Synonym Gene Names       | ECK                             |
| UniProt Entry Name               | EPHA2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/epha2-3-4-antibody-immunofluorescence-western-blot-elisa/301787>