

**AP14275PU-N****Polyclonal Antibody to EPHA2 / ECK (C-term) - Purified**

<b>Alternate names:</b>	Eph receptor A2, Ephrin type-A receptor 2, Epithelial cell kinase, Tyrosine-protein kinase receptor ECK
<b>Quantity:</b>	0.4 ml
<b>Concentration:</b>	lot specific
<b>Background:</b>	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the $\gamma$ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The tyrosine kinase (TK) group is mainly involved in the regulation of cell-cell interactions such as differentiation, adhesion, motility and death. There are currently about 90 TK genes sequenced, 58 are of receptor protein TK (e.g. EGFR, EPH, FGFR, PDGFR, TRK, and VEGFR families), and 32 of cytosolic TK (e.g. ABL, FAK, JAK, and SRC families).
<b>Uniprot ID:</b>	<a href="#">P29317</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>GenID:</b>	<a href="#">1969</a>
<b>Host / Isotype:</b>	Rabbit / Ig
<b>Immunogen:</b>	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human EphA2.
<b>Format:</b>	<b>State:</b> Liquid purified Ig <b>Purification:</b> Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS <b>Buffer System:</b> PBS with 0.09% (W/V) sodium azide
<b>Applications:</b>	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Flow cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to EphA2. <b>Species:</b> Human, Mouse, Hamster. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**Caution:** This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**General Readings:** 1. Lindberg, R.A., et al., Mol. Cell. Biol. 10(12):6316-6324 (1990).

**Pictures:** Western blot analysis of EphA2 (arrow) using rabbit polyclonal EphA2 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the EphA2 gene (Lane 2)

