

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

EPHA2/3/4 Antibody (Ab-588/596)

CATALOG # AAA286302	HOST Rabbit	REACTIVITY Human, rat	APPLICATIONS Immunofluorescence, ELISA, Western Blot
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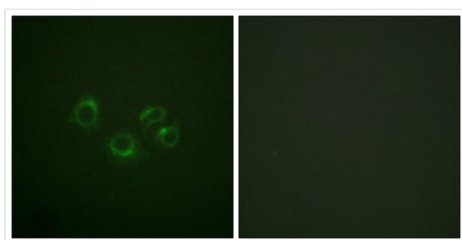
PRODUCT SYNONYMS

EPHA2/3/4; Polyclonal Antibody; EPHA2/3/4 Antibody (Ab-588/596); Ephrin type-A receptor 2; Epithelial cell kinase; Tyrosine-protein kinase receptor ECK; EPHA2; ECK; anti-EPHA2 antibody

PRODUCT SPECIFICATIONS

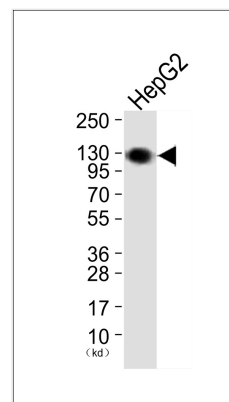
Host	Rabbit
Reactivity	Human, rat
Clonality	Polyclonal
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Positions	323-353
Sequence Length	976
Applicable Applications for anti-EPHA2 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



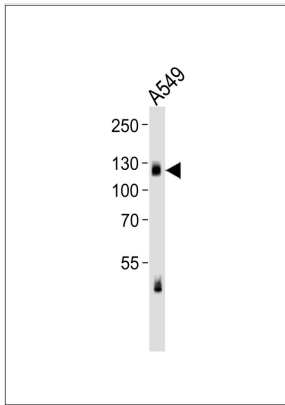
IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells, using EPHA2/3/4 (Ab-588/596) antibody.



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using EPHA2/3/4 (Ab-588/596) Antibody. The lane on the left is treated with synthesized peptide.



WB (Western Blot)
 Western blot analysis of lysate from A549 cell line,using EPHA2/3/4 Antibody (Ab-588/596) (B0914). B0914 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.

ADDITIONAL INFORMATION

Related Product Information for anti-EPHA2 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. May also participate in UV radiation-induced apoptosis and have a ligand- independent stimulatory effect on chemotactic cell migration. During development, may function in distinctive aspects of pattern formation and subsequently in development of several fetal tissues. Involved for instance in angiogenesis, in early hindbrain development and epithelial proliferation and branching morphogenesis during mammary gland development. Engaged by the ligand ephrin-A5/EFNA5 may regulate lens fiber cells shape and interactions and be important for lens transparency development and maintenance. With ephrin-A2/EFNA2 may play a role in bone remodeling through regulation of osteoclastogenesis and osteoblastogenesis.
Product Categories/Family for anti-EPHA2 antibody	Cardiovascular; Neuroscience; Signal Transduction
References	Lindberg R.A.,et al.Mol. Cell. Biol. 10:6316-6324(1990). Gregory S.G.,et al.Nature 441:315-321(2006). Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Miao H.,et al.Nat. Cell Biol. 2:62-69(2000). Zelinski D.P.,et al.Cancer Res. 61:2301-2306(2001).

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	108266
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/286302>