

EphA1 Polyclonal Antibody

Catalog # AP69756

Product Information

Application WB, IHC-P, IF
Primary Accession P21709
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 108127

Additional Information

Gene ID 2041

Other Names EPHA1; EPH; EPHT; EPHT1; Ephrin type-A receptor 1; hEpha1; EPH tyrosine

kinase; EPH tyrosine kinase 1; Erythropoietin-producing hepatoma receptor;

Tyrosine-protein kinase receptor EPH

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other

applications. IHC-P~~N/A IF~~1:50~200

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

Name EPHA1

Synonyms EPH, EPHT, EPHT1

Function 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. Binds with a low affinity EFNA3 and EFNA4 and with a high affinity to EFNA1 which most probably constitutes its cognate/functional ligand. Upon activation by EFNA1 induces cell attachment to the extracellular matrix inhibiting cell spreading and motility through regulation of ILK and downstream RHOA and RAC. Also plays a role in angiogenesis and regulates

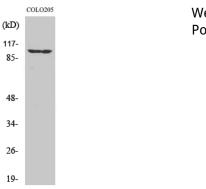
cell proliferation. May play a role in apoptosis.

Cellular Location Cell membrane; Single-pass type I membrane protein

Background

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. Binds with a low affinity EFNA3 and EFNA4 and with a high affinity to EFNA1 which most probably constitutes its cognate/functional ligand. Upon activation by EFNA1 induces cell attachment to the extracellular matrix inhibiting cell spreading and motility through regulation of ILK and downstream RHOA and RAC. Plays also a role in angiogenesis and regulates cell proliferation. May play a role in apoptosis.

Images



Western Blot analysis of various cells using EphA1 Polyclonal Antibody

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