

EphA1 Polyclonal Antibody

Catalog # AP63676

Specification

EphA1 Polyclonal Antibody - Product Information

Application WB, IHC-P
Primary Accession P21709
Reactivity Human, Rat, Mouse

Host Rabbit Clonality Polyclonal

EphA1 Polyclonal Antibody - Additional Information

Gene ID 2041

Other Names

EPHA1; EPH; 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~~WB 1:1000-2000, IHC 1:100-200

IHC-P~~N/A

Format

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

Storage Conditions

-20°C

EphA1 Polyclonal Antibody - 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



Tissue Location

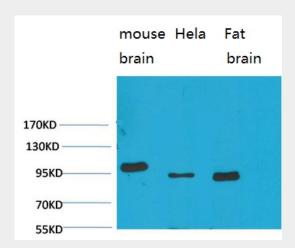
Overexpressed in several carcinomas.

EphA1 Polyclonal Antibody - Protocols

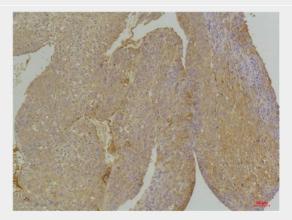
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

EphA1 Polyclonal Antibody - Images

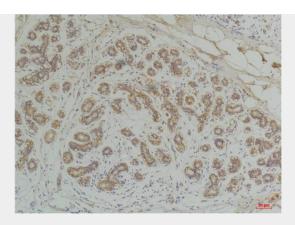


Western blot analysis of 1)Mouse Brain Tissue, 2)Hela, 3)Rat Brain Tissue with EphA1 Rabbit pAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Human Hepatocarcinoma using EphA1Rabbit pAb diluted at 1:200.





Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using EphA1Rabbit pAb diluted at 1:200.

EphA1 Polyclonal Antibody - 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.