

**EphA1 Polyclonal Antibody**  
**Catalog # AP69756****Specification**

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**EphA1 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P21709</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**EphA1 Polyclonal Antibody - 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.

**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

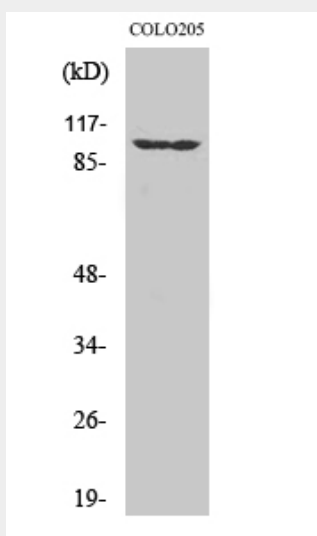
**Tissue Location**

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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**EphA1 Polyclonal Antibody - Images****EphA1 Polyclonal Antibody - Background**

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