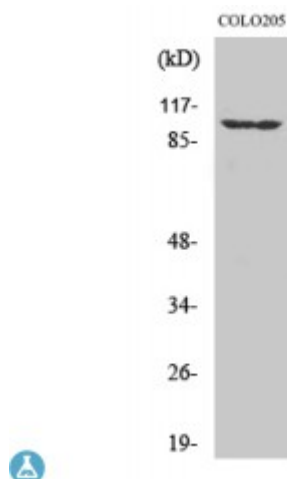


Anti-EphA1 antibody



Description	Rabbit polyclonal to EphA1.
Model	STJ92938
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human EphA1
Immunogen Region	510-590 aa, Internal
Gene ID	2041
Gene Symbol	EPHA1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	EphA1 Polyclonal Antibody detects endogenous levels of EphA1 protein.
Tissue Specificity	Overexpressed in several carcinomas.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ephrin type-A receptor 1 hEpha1 EPH tyrosine kinase EPH tyrosine kinase 1 Erythropoietin-producing hepatoma receptor Tyrosine-protein kinase receptor EPH
Molecular Weight	108 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:33850 MIM:179610
Alternative Names	Ephrin type-A receptor 1 hEpha1 EPH tyrosine kinase EPH tyrosine kinase 1 Erythropoietin-producing hepatoma receptor Tyrosine-protein kinase receptor EPH
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. Plays also a role in angiogenesis and regulates cell proliferation. May play a role in apoptosis.
Cellular Localization	Cell membrane
Post-translational Modifications	Phosphorylated. Autophosphorylation is stimulated by its ligand EFNA1.; Ubiquitinated.