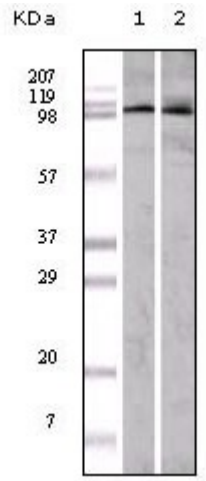
Anti-EphA1 antibody



Description	Mouse monoclonal to EphA1.

Model	STJ98022
Host	Mouse
Reactivity	Human
Applications	ELISA, IHC, WB
Immunogen	Purified recombinant fragment of EphA1 expressed in E. Coli.
Gene ID	2041
Gene Symbol	EPHA1
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000ELISA 1:10000
Specificity	EphA1 Monoclonal Antibody detects endogenous levels of EphA1 protein.
Tissue Specificity	Overexpressed in several carcinomas.
Purification	Affinity purification
Clone ID	5D2
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
Clonality	Monoclonal
Conjugation	Unconjugated

Isotype	IgG1
Formulation	Purified antibody in PBS containing 0.03% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:3385OMIM: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.