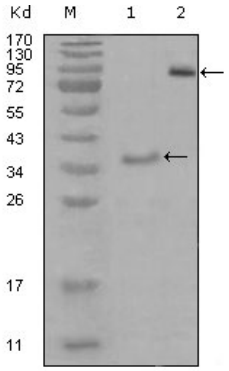
EphA3 Monoclonal Antibody

Catalog No	YP-Ab-12907
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	EPHA4
Immunogen	Purified recombinant fragment of EphA3 (aa751-983) expressed in E. Coli.
Specificity	EphA3 Monoclonal Antibody detects endogenous levels of EphA3 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EK4;ETK;HEK;ETK1;HEK4;TYRO4;EPHA3;EPHA4;Ephrin type-A receptor 4; HEK8;SEK;TYRO1;EPH-like kinase 8;EK8;Tyrosine-protein kinase TYRO1; Tyrosine-protein kinase receptor SEK
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Cell projection, axon . Cell projection, dendrite . Cell junction, synapse, postsynaptic density membrane . Early endosome . Cell junction, adherens junction . Clustered upon activation and targeted to early endosome. .
Tissue Specificity	Ubiquitous.
Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,domain:The protein kinase domain mediates interaction with NGEF/ ephexin-1.,function:Receptor for members of the ephrin-A family. Binds to ephrin-A1, -A4 and -A5. Binds more poorly to ephrin-A2 and -A3. May play a role in a signal transduction process involved in hindbrain pattern formation., similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family., similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily.,similarity:Contains 1 protein kinase domain.,

	similarity:Contains 1 SAM (sterile alpha motif) domain.,similarity:Contains 2 fibronectin type-III domains.,subunit:Interacts with the src family kinase, p59-Fyn, through the major phosphorylation site at position Tyr-602. Interacts with NGEF/ephexin-1.,tissue specificity:Ubiquitous.
Background	This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2015],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using EphA3 Monoclonal Antibody against truncated Trx-EphA3 recombinant protein (1) and truncated EphA3(aa566-983)-hIgGFc transfected CHO-K1 cell lysate(2).