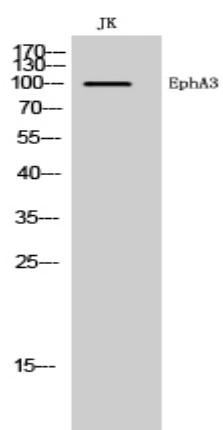


## EphA3 Polyclonal Antibody

<b>Catalog No :</b>	YT1577
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	EphA3
<b>Fields :</b>	>>Axon guidance
<b>Gene Name :</b>	EPHA3
<b>Protein Name :</b>	Ephrin type-A receptor 3
<b>Human Gene Id :</b>	2042
<b>Human Swiss Prot No :</b>	P29320
<b>Mouse Swiss Prot No :</b>	P29319
<b>Rat Gene Id :</b>	29210
<b>Rat Swiss Prot No :</b>	O08680
<b>Immunogen :</b>	Synthesized peptide derived from EphA3 . at AA range: 540-620
<b>Specificity :</b>	EphA3 Polyclonal Antibody detects endogenous levels of EphA3 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	100kD
<b>Cell Pathway :</b>	Axon guidance;
<b>Background :</b>	<p>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. This gene encodes a protein that binds ephrin-A ligands. Two alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008],</p>
<b>Function :</b>	<p>catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,disease:Defects in EPHA3 may be a cause of colorectal cancer (CRC) [MIM:114500].,function:Receptor for members of the ephrin-A family. Binds to ephrin-A2, -A3, -A4 and -A5. Could play a role in lymphoid function.,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.,tissue specificity:Widely expressed. Highest level in placenta.,</p>
<b>Subcellular Location :</b>	[Isoform 1]: Cell membrane ; Single-pass type I membrane protein .; [Isoform 2]: Secreted .
<b>Expression :</b>	Widely expressed. Highest level in placenta.
<b>Sort :</b>	5625
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

## Products Images



Western Blot analysis of JK cells using EphA3 Polyclonal Antibody